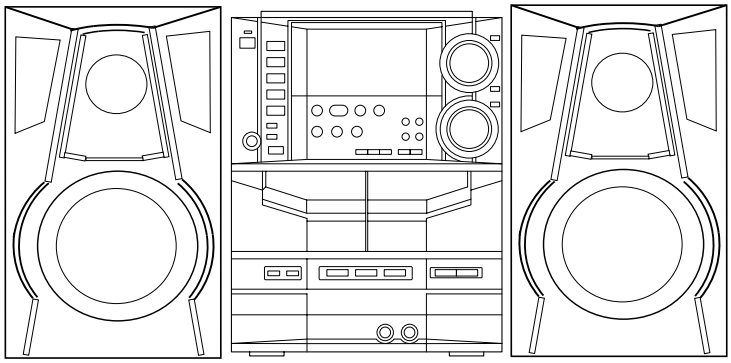
aiwa SERVICE

# NSX-SZ80 LH
# NSX-SZ83 LH
# NSX-AJ80 U
# NSX-SZ80E HA



# SERVICE MANUAL

COMPACT DISC STEREO
CASSETTE RECEIVER

BASIC TAPE MECHANISM : 2ZM-3MK2 PR7NM
BASIC CD MECHANISM : AZG-1 ZD3RNDM

| SYSTEM | CD CASSEIVER | MAIN SPEAKER | SATELLITE SPEAKER | REMOTE CONTROLLER |
|---|---|---|---|---|
| NSX–SZ80 (LH) | CX–NSZ80 | SX–WNSZ80 | SX–S80 | RC–ZAS01 |
| NSX–SZ83 (LH) | CX–NSZ83 | SX–WNH83 | | |
| NSX–AJ80 (U) | CX–NAJ80 | SX–WNAJ85 | | |
| NSX–SZ80E (HA) | CX–NSZ80E | SX–WNSZ80 | | |

- This Service Manual is the "Revision Publishing" and replaces "Simple Manual" NSX-SZ80/SZ83/AJ80/SZ80E (LH, U, HA), (S/M Code No. 09-001-424-4T1).
- If requiring information about the CD mechanism, see Service Manual of AZG-1 ZD3RNDM, (S/M Code No. 09-001-335-3N8).

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S/M Code No. 09-003-424-4R1

REVISION DATA

# SPECIFICATIONS

**<FM tuner section>**

| | |
|---|---|
| **Tuning range** | 87.5 MHz to 108 MHz |
| **Usable sensitivity (IHF)** | 13.2 dBf |
| **Antenna terminals** | 75 ohms (unbalanced) |

**<AM tuner section>**

| | |
|---|---|
| **Tuning range** | 530 kHz to 1710 kHz (10 kHz step)<br>531 kHz to 1602 kHz (9 kHz step) |
| **Usable sensitivity** | 350 µV/m |
| **Antenna** | Loop antenna |

**<Amplifier section>**

**Mid-high frequency amplifier**

| | |
|---|---|
| **Power output** | **LH, HA:**<br>Rated 35 W + 35 W (6 ohms, T.H.D. 1 %, 1 kHz)<br>Reference: 45 W + 45 W (6 ohms, T.H.D. 10 %, 1 kHz)<br>**U:**<br>30 W + 30 W (200 Hz - 20 kHz, T.H.D. less than 1 %, 8 ohms) |
| **Total harmonic distortion** | 0.1 % (25 W, 1 kHz, 8 ohms, DIN AUDIO ) |

**Low frequency amplifier**

| | |
|---|---|
| **Power output** | **LH, HA:**<br>Rated 105 W + 105 W (6 ohms, T.H.D. 1 %, 120 Hz)<br>Reference: 135 W + 135 W (6 ohms, T.H.D. 10 %, 120 Hz)<br>**U:**<br>90 W + 90 W (50 Hz - 200 Hz, T.H.D. less than 1 %, 6 ohms) |
| **Total harmonic distortion** | 0.1 % (75 W, 120 Hz, 6 ohms, DIN AUDIO) |

**Satellite amplifier<U only>**

| | |
|---|---|
| **Power output** | 5 W + 5 W (1 kHz, T.H.D. less than 1 %, 8 ohms) |
| **Total harmonic distortion** | 0.1 % (3 W, 1 kHz, 8 ohms, DIN AUDIO ) |
| **Inputs** | VIDEO/AUX: 316 mV (adjustable)<br>MD: 316 mV (adjustable)<br>MIC: 1.0 mV (10 k ohms) |
| **Outputs** | SPEAKERS HIGH FREQ:<br>accept speakers of 8 ohms or more<br>SPEAKERS LOW FREQ:<br>accept speakers of 6 ohms or more<br>SATELLITE SPEAKERS:<br>accept speakers of 8 ohms or more<br>SURROUND SPEAKERS:<br>accept speakers of 8 ohms to 16 ohms<br>LINE OUT: 210 mV<br>PHONES (stereo jack): accepts headphones of 32 ohms or more |

**<Cassette deck section>**

| | |
|---|---|
| **Track format** | 4 tracks, 2 channels stereo |
| **Frequency response** | $CrO_2$ tape: 50 Hz – 16000 Hz<br>NORMAL tape: 50 Hz – 15000 Hz |
| **Recording system** | AC bias |
| **Heads** | Deck 1: Playback head x 1<br>Deck 2: Recording/Playback head x 1, erase head x 1 |

**<Compact disc player section>**

| | |
|---|---|
| **Laser** | Semiconductor laser (λ =780 nm) |
| **D-A converter** | 1 bit dual |
| **Signal-to-noise ratio** | 85 dB (1 kHz, 0 dB) |
| **Harmonic distortion** | 0.05 % (1 kHz, 0 dB) |
| **Wow and flutter** | Unmeasurable |

**<General>**

| | |
|---|---|
| **Power requirements** | **U**: 120 V AC, 60 Hz<br>**LH, HA**: 120 V/220-230 V/240 V AC (switchable), 50/60 Hz |
| **Power consumption** | **U**: 165 W<br>**LH, HA**: 245 W |
| **Power consumption in standby mode** | If the power-economizing mode is ECO OFF:<br>**LH, HA:** 29.5 W<br>**U:** 27.5 W<br>If the power-economizing mode is ECO ON or ECO AUTO: 0.9 W |
| **Dimensions of main unit (W x H x D)** | 260 x 329 x 389.6 mm<br>(10 1/4 X 13 X 15 3/8 in.) |
| **Weight of main unit** | 11.8 kg (26 lbs.) |

**<Speaker system SX–WNH83 / SX–WNSZ80 / SX–WNAJ85>**

| | |
|---|---|
| **Speaker system** | 3 way, built-in subwoofer (magnetic shielded type) |
| **Speaker units** | Subwoofer:<br>200 mm (7 7/8 in.) cone type<br>Full range:<br>120 mm (4 3/4 in.) cone type<br>Super tweeter:<br>20 mm (13/16 in.) ceramic type |
| **Impedance** | 6 ohms/8 ohms |
| **Output sound pressure level** | 87 dB/W/m |
| **Dimensions (W x H x D)** | **SX-WNH83** / **WNAJ85**:<br>240 x 324 x 285 mm<br>(9 1/2 X 12 7/8 X 11 1/4 in.)<br>**SX-WNSZ80**: 240 x 384 x 310 mm |
| **Weight** | 5.8 kg (12 lbs. 13 oz.) |

**<Satellite speaker SX–S80>**

| | |
|---|---|
| **Speaker system** | Full range (magnetic shielded type) |
| **Speakers units** | 80 mm cone type |
| **Impedance** | 8 ohms |
| **Output sound pressure level** | 87 dB/W/m |
| **Dimensions (W x H x D)** | 100 x 327 x 105 mm<br>(4 X 12 7/8 X 4 1/4 in.)(with pedestal)<br>100 x 190 x 81 mm<br>(4 X 7 1/2 X 3 1/4 in.)(without pedestal) |
| **Weight** | 0.6 kg (1 lbs. 5 oz.) |

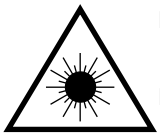
• Design and specifications are subject to change without notice.

• The word "BBE"and the "BBE symbol" are trademarks of BBE Sound, Inc.
Under license from BBE Sound,Inc.

## PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

**WARNING!!**
WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

**VAROITUS!**
Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saataa altistaa käyt-täjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

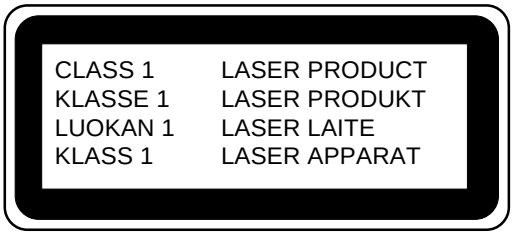
**VARNING!**
Om apparaten används på annat sätt än vad som specificeras i denna bruksanvising, kan användaren utsättas för osynling laserstrålning, som överskrider gränsen för laserklass 1.

**CAUTION**
Use of controls or adjustments or performance of procedures other than those specified herin may result in hazardous radiation exposure.

**ATTENTION**
L'utillisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

**ADVARSEL**
Usynlig laserståling ved åbning, når sikkerhedsafbrydereer ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

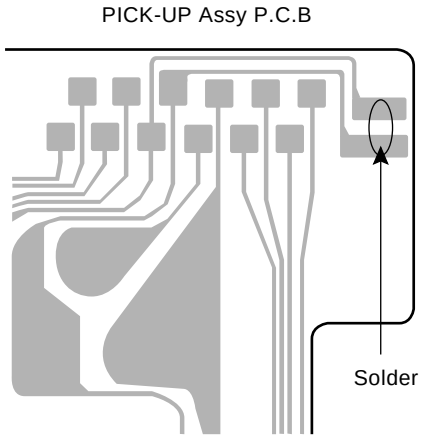



## Precaution to replace Optical block

## (KSS-213F)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

1) After the connection, remove solder shown in right figure.



# NOTE ON BEFORE STARTING REPAIR

## 1. Forced discharge of electrolytic capacitor of power supply block

When repair is going to be attempted in the set that uses relay circuit in the power supply block, electric potential is kept charged across the electrolytic capacitors (C101, 102) even though AC power cord is removed. If repair is attempted in this condition, secondary defect can occur.
In order to prevent the secondary trouble, perform the following measures before starting repair work.

### Discharge procedure

① Remove the AC power cord.
② Connect a discharging resistor at an end of lead wire that has clips at both ends. Connect the other end of the lead wire to metal chassis.
③ Contact the other end of the discharging resistor to the positive (+) side (+VH) of C101. (For two seconds)
④ Contact the same end of the discharging resistor as step ③ to the negative (-) side (-VH) of C102 in the same way. (For two seconds)
⑤ Check that voltage across C101 and C102 has decreased to 1 V or less using a multimeter or an oscilloscope.

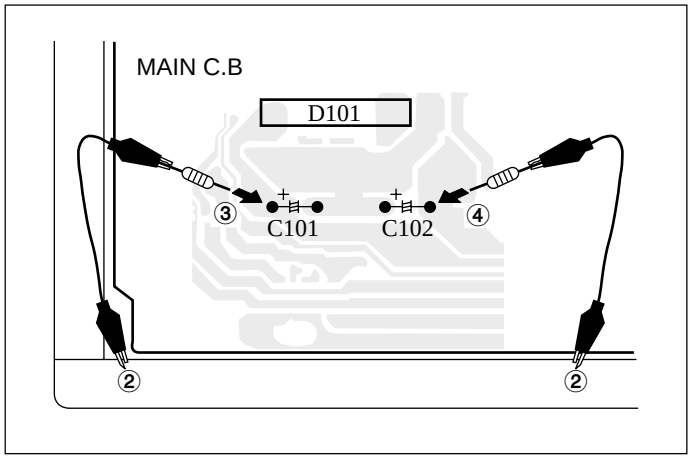



Fig-1

Select a discharging resistor referring to the following table.

| Charging voltage (V) (C101, 102) | Discharging resistor (Ω) | Rated power (W) | Parts number |
|---|---|---|---|
| 25-48 | 100 | 3 | 87-A00-247-090 |
| 49-140 | 220 | 5 | 87-A00-232-090 |

Note: The reference numbers (C101, C102) of the electrolytic capacitors can change depending on the models. Be sure to check the reference numbers of the charging capacitors on schematic diagram before starting the discharging work.

## 2. Check items before exchanging the MICROCOMPUTER

Be sure to check the following items before exchanging the MICROCOMPUTER. Exchange the MICROCOMPUTER after confirming that the MICROCOMPUTER is surely defective.

### 2-1. Regarding the HOLD terminal of the MICROCOMPUTER

When the HOLD terminal (INPUT) of the MICROCOMPUTER is "H", the MICROCOMPUTER is judged to be operating correctly. When this terminal is "L", the main power cannot be turned on. Therefore, be sure to check the terminal voltage of the HOLD terminal before exchange.
When the MICROCOMPUTER is not defective, the HOLD terminal can also go "L" when the POWER AMPLIFIER has any abnormalities that triggers the abnormality detection circuit on the MAIN C. B. that sets the HOLD terminal to "L".

- Good or no good judgement of the MICROCOMPUTER

① Turn on the AC main power.
② Confirm that the main power is turned on and the HOLD terminal of the MICROCOMPUTER keeps the "H" level or not.
③ When the HOLD terminal is "L" level, the abnormality detection circuit is judged to be working correctly and the MICROCOMPUTER is judged to be good.

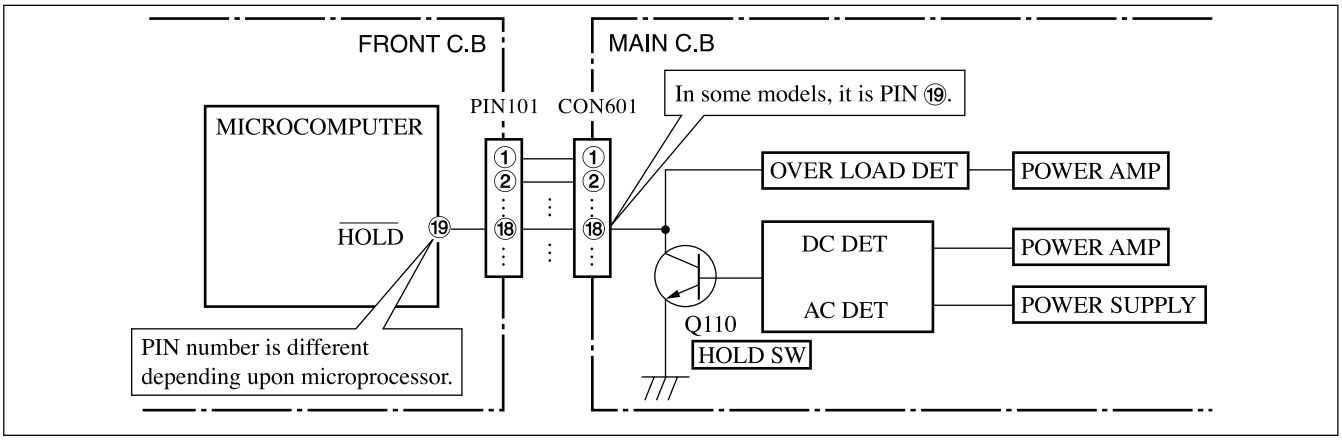



Fig-2-1

In such a case, check also if the POWER AMPLIFIER circuit or power supply circuit has any abnormalities or not.

## 2-2. Regarding reset

There are cases that the machine does not work correctly because the MICROCOMPUTER is not reset even though the AC power cord is re-inserted, or the software reset (pressing the STOP key + POWER key) is performed.
When the above described phenomenon occurs, it can lead to wrong judgement as if the MICROCOMPUTER is defective and to exchange the MICROCOMPUTER. In such a case, perform the forced-reset by the following procedure and check good or no good of the MICROCOMPUTER.

① Remove the AC power cord.

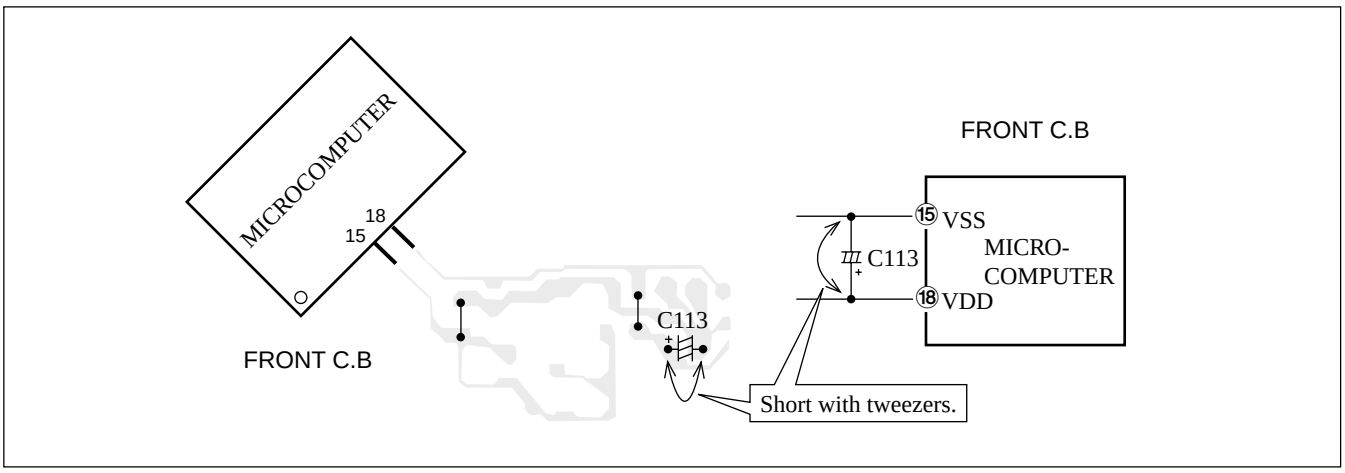



Fig-2-2

② Short both ends of the electrolytic capacitor C113 that is connected to VDD of the MICROCOMPUTER with tweezers.
③ Connect the AC power cord again. If the MICROCOMPUTER returns to the normal operation, the MICROCOMPUTER is good.

Note: The reference number or MICROCOMPUTER pin number of transistor (Q110) and electrolytic capacitor (C113) can change depending on the models. Be sure to check the reference numbers on schematic diagram before starting the discharging work.

## 2-3. Confirmation of soldering state of MICROCOMPUTER

Check the soldering state of the MICROCOMPUTER in addition to the above described procedures. Be sure to exchange the MICROCOMPUTER after surely confirming that the trouble is not caused by poor soldering but the MICROCOMPUTER itself.

# ELECTRICAL MAIN PARTS LIST

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| IC | | | |
| | 8A-NF6-610-030 | | C-IC,LC87654V-5P35 |
| | 87-A21-418-010 | | IC,STK490-340 |
| | 87-A21-018-040 | | C-IC,M65849BFP631D |
| | 87-A21-396-010 | | IC,STK490-040<80U> |
| | 87-A21-397-010 | | IC,STK490-070<EXCEPT 80U> |
| | 87-A20-914-010 | | IC,SPS-442-1-F |
| | 87-A20-783-040 | | C-IC,BA7762AFS |
| | 87-A21-577-040 | | C-IC,M61506FP |
| | 87-A21-021-040 | | C-IC,BU2099FV |
| | 87-070-289-040 | | IC,BU 2092F |
| | 87-A21-452-030 | | C-IC,BD3876KS2 |
| | 87-A21-051-040 | | C-IC,BU9990-03FS<EXCEPT 80U> |
| | 87-A21-415-010 | | IC,LA1843 |
| | 87-070-127-110 | | IC,LC72131 D |
| | 87-020-454-010 | | IC,DN 6851 |
| TRANSISTOR | | | |
| | 87-026-245-080 | | TR,DTC114ES |
| | 87-A30-198-080 | | TR,KTC3199GR |
| | 87-A30-075-080 | | C-TR,2SA1235F |
| | 87-A30-318-080 | | TR,CSA952K |
| | 89-213-702-010 | | TR,2SB1370 (1.8W) |
| | 87-A30-076-080 | | C-TR,2SC3052F |
| | 87-026-610-080 | | TR,KTC3198GR |
| | 87-026-609-080 | | TR,KTA1266GR |
| | 87-A30-087-080 | | C-FET,2SK2158 |
| | 87-A30-107-070 | | C-TR,CMBT5401 |
| | 87-A30-468-080 | | C-TR,KRC102S-RTK |
| | 87-A30-074-080 | | C-TR,RT1P141C |
| | 87-A30-269-040 | | C-FET,2SJ461-T1 |
| | 87-A30-106-040 | | C-TR,CMBT5551 |
| | 87-A30-086-040 | | C-TR,CSD1306E |
| | 87-A30-190-080 | | TR,CC5551 |
| | 89-420-613-010 | | TR,2SD2061F |
| | 89-213-703-010 | | TR,2SB1370F |
| | 87-A30-063-080 | | C-TR,KRA104S |
| | 87-A30-086-070 | | C-TR,CSD1306E |
| | 87-A30-329-080 | | TR,CD1585BC |
| | 89-327-143-080 | | TR,2SC2714 (0.1W) |
| | 87-A30-489-080 | | C-TR,KRA107S |
| | 87-A30-234-080 | | TR,CSC4115BC |
| | 87-026-463-080 | | TR,2SA933S |
| DIODE | | | |
| | 87-A40-673-090 | | DIODE,D10XB20 |
| | 87-A40-547-090 | | DIODE,D5SBA20 |
| | 87-020-465-080 | | DIODE,1SS133 |
| | 87-A40-553-080 | | DIODE,1N4003 LES |
| | 87-A40-784-080 | | ZENER,UZ39BSB |
| | 87-A40-764-080 | | ZENER,UZ10BSC |
| | 87-A40-313-080 | | C-DIODE,MC 2840 |
| | 87-A40-270-080 | | C-DIODE,MC2838 |
| | 87-A40-269-080 | | C-DIODE,MC2836 |
| | 87-A40-768-080 | | ZENER,UZ16BSA |
| | 87-A40-752-080 | | ZENER,UZ6.2BSC |
| | 87-A40-748-080 | | ZENER,UZ5.6BSA |
| | 87-A40-802-080 | | ZENER,UZ5.1BSC |
| | 87-A40-747-080 | | ZENER,UZ5.1BSB |
| | 87-A40-745-080 | | ZENER,UZ4.7BSA |
| | 87-A40-749-080 | | ZENER,UZ5.6BSB<EXCEPT 80U> |
| | 87-017-149-080 | | ZENER,HZS6A2L |
| MAIN C.B | | | |
| C3 | 87-012-368-080 | | C-CAP,S 0.1-50 F |
| C4 | 87-012-368-080 | | C-CAP,S 0.1-50 F |
| C21 | 87-016-658-000 | | CAP,E 4700-35 M SMG |
| C22 | 87-016-658-000 | | CAP,E 4700-35 M SMG |
| C25 | 87-010-382-080 | | CAP, ELECT 22-25V |
| C26 | 87-010-382-080 | | CAP, ELECT 22-25V<EXCEPT 80U> |
| C26 | 87-010-383-080 | | CAP, ELECT 33-25V<80U> |
| C27 | 87-010-382-080 | | CAP, ELECT 22-25V |
| C28 | 87-010-382-080 | | CAP, ELECT 22-25V<EXCEPT 80U> |
| C28 | 87-010-383-080 | | CAP, ELECT 33-25V<80U> |
| C31 | 87-010-263-080 | | CAP, ELECT 100-10V |
| C32 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C33 | 87-010-263-080 | | CAP, ELECT 100-10V<80U> |
| C34 | 87-010-247-080 | | CAP, ELECT 100-50V |
| C35 | 87-010-260-080 | | CAP, ELECT 47-25V |
| C36 | 87-010-381-080 | | CAP, ELECT 330-16V |
| C38 | 87-010-384-080 | | CAP, ELECT 100-25V |
| C39 | 87-010-384-080 | | CAP, ELECT 100-25V |
| C40 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C60 | 87-010-403-080 | | CAP, ELECT 3.3-50V |
| C80 | 87-010-401-080 | | CAP, ELECT 1-50V<EXCEPT 80U> |
| C81 | 87-010-374-080 | | CAP, ELECT 47-10V<EXCEPT 80U> |
| C82 | 87-010-260-080 | | CAP, ELECT 47-25V<EXCEPT 80U> |
| C104 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C105 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C111 | 87-010-545-080 | | CAP, ELECT 0.22-50V |
| C112 | 87-010-545-080 | | CAP, ELECT 0.22-50V |
| C113 | 87-010-545-080 | | CAP, ELECT 0.22-50V |
| C114 | 87-010-545-080 | | CAP, ELECT 0.22-50V |
| C115 | 87-010-546-080 | | CAP, ELECT 0.33-50V |
| C116 | 87-010-546-080 | | CAP, ELECT 0.33-50V |
| C121 | 87-010-546-080 | | CAP, ELECT 0.33-50V |
| C122 | 87-010-546-080 | | CAP, ELECT 0.33-50V |
| C171 | 87-012-368-080 | | C-CAP,S 0.1-50 F |
| C172 | 87-012-368-080 | | C-CAP,S 0.1-50 F |
| C173 | 87-012-368-080 | | C-CAP,S 0.1-50 F |
| C174 | 87-012-368-080 | | C-CAP,S 0.1-50 F |
| C301 | 87-010-318-080 | | C-CAP,S 47P-50 J CH |
| C302 | 87-010-318-080 | | C-CAP,S 47P-50 J CH |
| C303 | 87-012-157-080 | | C-CAP,S 330P-50 CH |
| C304 | 87-012-157-080 | | C-CAP,S 330P-50 CH |
| C305 | 87-012-157-080 | | C-CAP,S 330P-50 CH |
| C306 | 87-012-157-080 | | C-CAP,S 330P-50 CH |
| C307 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C309 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C310 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C311 | 87-010-198-080 | | CAP, CHIP 0.022 |
| C312 | 87-010-198-080 | | CAP, CHIP 0.022 |
| C313 | 87-010-179-080 | | CAP,CHIP S B1200P |
| C314 | 87-010-179-080 | | CAP,CHIP S B1200P |
| C315 | 87-010-179-080 | | CAP,CHIP S B1200P |
| C316 | 87-010-179-080 | | CAP,CHIP S B1200P |
| C321 | 87-012-142-080 | | CAP, S 0.33-16 |
| C322 | 87-012-142-080 | | CAP, S 0.33-16 |
| C324 | 87-010-260-080 | | CAP, ELECT 47-25V |
| C325 | 87-010-370-080 | | CAP,E 330-6.3 SME |
| C327 | 87-010-404-080 | | CAP, ELECT 4.7-50V |
| C328 | 87-010-404-080 | | CAP, ELECT 4.7-50V |
| C332 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C335 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C336 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C337 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C339 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C340 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C351 | 87-012-140-080 | | CAP 470P |
| C352 | 87-012-140-080 | | CAP 470P |
| C354 | 87-010-175-080 | | CAP 560P |
| C355 | 87-010-178-080 | | CHIP CAP 1000P |
| C356 | 87-010-260-080 | | CAP, ELECT 47-25V |
| C357 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C358 | 87-010-183-080 | | C-CAP,S 2700P-50 B |
| C359 | 87-010-183-080 | | C-CAP,S 2700P-50 B |
| C360 | 87-010-183-080 | | C-CAP,S 2700P-50 B |

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| C370 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C373 | 87-016-083-080 | | C-CAP,S 0.15-16 RK |
| C374 | 87-016-083-080 | | C-CAP,S 0.15-16 RK |
| C378 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C379 | 87-010-382-080 | | CAP, ELECT 22-25V |
| C380 | 87-010-382-080 | | CAP, ELECT 22-25V |
| C381 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C382 | 87-010-312-080 | | C-CAP,S 15P-50 CH |
| C383 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C384 | 87-010-402-080 | | CAP, ELECT 2.2-50V |
| C386 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C387 | 87-012-145-080 | | CAP, CHIP S 270P CH |
| C388 | 87-012-156-080 | | C-CAP,S 220P-50 CH |
| C391 | 87-010-319-080 | | C-CAP,S 56P-50 CH |
| C392 | 87-010-319-080 | | C-CAP,S 56P-50 CH |
| C393 | 87-010-319-080 | | C-CAP,S 56P-50 CH |
| C394 | 87-010-319-080 | | C-CAP,S 56P-50 CH |
| C501 | 87-010-263-080 | | CAP, ELECT 100-10V |
| C502 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C503 | 87-012-393-080 | | C-CAP,S 0.22-16 R K |
| C504 | 87-012-393-080 | | C-CAP,S 0.22-16 R K |
| C505 | 87-012-141-080 | | CHIP-CAPACITOR,0.22-16F |
| C506 | 87-010-184-080 | | CHIP CAPACITOR 3300P(K) |
| C507 | 87-010-177-080 | | C-CAP,S 820P-50 SL |
| C508 | 87-016-669-080 | | C-CAP,S 0.1-25 K B |
| C509 | 87-016-669-080 | | C-CAP,S 0.1-25 K B |
| C510 | 87-010-184-080 | | CHIP CAPACITOR 3300P(K) |
| C511 | 87-010-177-080 | | C-CAP,S 820P-50 SL |
| C512 | 87-012-141-080 | | CHIP-CAPACITOR,0.22-16F |
| C513 | 87-010-544-080 | | CAP, ELECT 0.1-50V |
| C514 | 87-010-374-080 | | CAP, ELECT 47-10V |
| C515 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C516 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C517 | 87-010-183-080 | | C-CAP,S 2700P-50 B |
| C518 | 87-010-183-080 | | C-CAP,S 2700P-50 B |
| C531 | 87-010-405-080 | | CAP, ELECT 10-50V |
| C532 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C533 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C534 | 87-012-156-080 | | C-CAP,S 220P-50 CH |
| C535 | 87-010-178-080 | | CHIP CAP 1000P |
| C536 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C538 | 87-010-318-080 | | C-CAP,S 47P-50 CH |
| C541 | 87-010-178-080 | | CHIP CAP 1000P |
| C609 | 87-010-181-080 | | CAP,CHIP S 1800P |
| C610 | 87-010-181-080 | | CAP,CHIP S 1800P |
| C611 | 87-010-956-080 | | CHIP-CAP,S 0.068-25B |
| C612 | 87-016-369-080 | | C-CAP,S 0.033-25 B K |
| C613 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C614 | 87-016-669-080 | | C-CAP,S 0.1-25 K B |
| C616 | 87-010-184-080 | | CHIP CAPACITOR 3300P(K) |
| C617 | 87-012-369-080 | | C-CAP,S 0.047-50F |
| C618 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C619 | 87-010-263-080 | | CAP, ELECT 100-10V |
| C620 | 87-016-669-080 | | C-CAP,S 0.1-25 K B |
| C621 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C623 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C624 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C626 | 87-010-596-080 | | CAP, S 0.047-16 |
| C627 | 87-010-400-080 | | CAP, ELECT 0.47-50V |
| C628 | 87-010-400-080 | | CAP, ELECT 0.47-50V |
| C629 | 87-010-596-080 | | CAP, S 0.047-16 |
| C630 | 87-010-383-080 | | CAP, ELECT 33-25V |
| C631 | 87-010-185-080 | | C-CAP,S 3900P-50 B |
| C632 | 87-010-185-080 | | C-CAP,S 3900P-50 B |
| C634 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C635 | 87-A10-307-080 | | CAP,M 0.1-50 J |
| C636 | 87-A10-307-080 | | CAP,M 0.1-50 J |
| C637 | 87-A10-307-080 | | CAP,M 0.1-50 J |
| C638 | 87-A10-307-080 | | CAP,M 0.1-50 J |
| C639 | 87-010-405-080 | | CAP, ELECT 10-50V |
| C641 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C642 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C643 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C644 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C671 | 87-010-322-080 | | C-CAP,S 100P-50 CH |
| C672 | 87-010-322-080 | | C-CAP,S 100P-50 CH |
| C673 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C679 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C680 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C682 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C771 | 87-010-263-080 | | CAP, ELECT 100-10V |
| C772 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C773 | 87-010-184-080 | | CHIP CAPACITOR 3300P(K) |
| C774 | 87-010-184-080 | | CHIP CAPACITOR 3300P(K) |
| C779 | 87-A10-679-080 | | C-CAP,S 3300P-50 JR |
| C780 | 87-A10-679-080 | | C-CAP,S 3300P-50 JR |
| C782 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C783 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C784 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C785 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C786 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C788 | 87-010-149-080 | | C-CAP,S 5P-50 CH |
| C789 | 87-A10-592-080 | | C-CAP,S 0.015-50 J B |
| C790 | 87-A10-592-080 | | C-CAP,S 0.015-50 J B |
| C791 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C792 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C793 | 87-010-404-080 | | CAP, ELECT 4.7-50V |
| C795 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C796 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C797 | 87-010-405-080 | | CAP, ELECT 10-50V |
| C798 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C799 | 87-010-407-080 | | CAP, ELECT 33-50V |
| C800 | 87-012-369-080 | | C-CAP,S 0.047-50F |
| C801 | 87-010-403-080 | | CAP, ELECT 3.3-50V |
| C802 | 87-012-369-080 | | C-CAP,S 0.047-50F |
| C803 | 87-010-198-080 | | CAP, CHIP 0.022 |
| C804 | 87-010-263-080 | | CAP, ELECT 100-10V |
| C807 | 87-010-400-080 | | CAP, ELECT 0.47-50V |
| C808 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C809 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C810 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C811 | 87-010-403-080 | | CAP, ELECT 3.3-50V |
| C812 | 87-010-403-080 | | CAP, ELECT 3.3-50V |
| C814 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C815 | 87-010-400-080 | | CAP, ELECT 0.47-50V |
| C816 | 87-010-400-080 | | CAP, ELECT 0.47-50V |
| C819 | 87-010-179-080 | | CAP,CHIP S B1200P |
| C820 | 87-010-179-080 | | CAP,CHIP S B1200P |
| C821 | 87-010-405-080 | | CAP, ELECT 10-50V |
| C823 | 87-010-177-080 | | C-CAP,S 820P-50 SL |
| C824 | 87-010-405-080 | | CAP, ELECT 10-50V |
| C825 | 87-010-596-080 | | CAP, S 0.047-16 |
| C842 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C843 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C844 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C845 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C846 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C847 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C848 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C849 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C850 | 87-010-260-080 | | CAP, ELECT 47-25V |
| C851 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C852 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C853 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C858 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C859 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C860 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C959 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C960 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C961 | 87-010-152-080 | | C-CAP,S 8P-50 CH |

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| C963 | 87-015-785-080 | | CHIP CAPACITOR, 0.1FZ-25Z |
| C971 | 87-010-381-080 | | CAP, ELECT 330-16V |
| C972 | 87-010-404-080 | | CAP, ELECT 4.7-50V |
| C973 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C974 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C979 | 87-010-322-080 | | C-CAP,S 100P-50 CH |
| C981 | 87-010-260-080 | | CAP, ELECT 47-25V |
| C982 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C983 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C984 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C987 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C991 | 87-010-312-080 | | C-CAP,S 15P-50 CH |
| C992 | 87-010-312-080 | | C-CAP,S 15P-50 CH |
| C993 | 87-010-178-080 | | CHIP CAP 1000P |
| C995 | 87-010-178-080 | | CHIP CAP 1000P |
| C997 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C998 | 87-010-260-080 | | CAP, ELECT 47-25V |
| C999 | 87-A11-155-080 | | CAP,TC U 0.01-16 Z F |
| CF831 | 87-008-261-010 | | FILTER, SFE10.7MA5-A |
| CF832 | 87-008-261-010 | | FILTER, SFE10.7MA5-A |
| CN1 | 87-A60-996-010 | | CONN,13P V BLK TAC-L13X-A3 |
| CN91 | 87-A60-109-010 | | CONN,2P V S2M-2W<EXCEPT 80U> |
| CN101 | 87-A60-996-010 | | CONN,13P V BLK TAC-L13X-A3 |
| CN301 | 87-A60-620-010 | | CONN,3P V 2MM JMT |
| CN351 | 87-A60-625-010 | | CONN,8P V 2MM JMT |
| CN601 | 87-099-719-010 | | CONN,30P TYK-B(X) |
| CN602 | 87-099-194-010 | | CONN,6P 6216V |
| CNA1 | 8A-NF6-646-010 | | CONN ASSY,9P TID-A(460) |
| CNA2 | 8A-NF6-630-010 | | CONN ASSY,3P (VM) ANF-6 |
| CNA101 | 8A-NF6-670-010 | | CONN ASSY,2P (MUTE) ANF-6 |
| CON301 | 87-NF6-615-010 | | CONN ASSY,3P PB |
| CON351 | 87-NF6-616-010 | | CONN ASSY,8P RPB |
| FB501 | 87-008-372-080 | | FILTER, EMI BL OIRNI |
| FC602 | 88-906-621-110 | | FF-CABLE,6P 1.25 620MM |
| FFE831 | A8-8ZA-190-030 | | 8ZA-1 FEUNM |
| J102 | 87-A60-238-010 | | TERMINAL,SP 4P (MSC) |
| J103 | 87-A60-929-010 | | JACK,DIA6.3 BLK ST W/S TAI |
| J601 | 87-A60-885-010 | | JACK,PIN 6P R/W MSC |
| J831 | 87-A60-202-010 | | TERMINAL,ANT 4P MSP-154V-02 |
| L101 | 87-A50-610-010 | | COIL,1UH K(MDEC) |
| L102 | 87-A50-610-010 | | COIL,1UH K(MDEC) |
| L301 | 87-A50-049-010 | | COIL,TRAP 85K(COI) |
| L302 | 87-A50-049-010 | | COIL,TRAP 85K(COI) |
| L351 | 87-007-342-010 | | COIL,OSC 85K BIAS |
| L801 | 87-A50-540-010 | | COIL,FM DET(TOK) |
| L802 | 87-A91-551-010 | | FLTR,PCFJZH-450 L(TOK) |
| L811 | 87-005-847-080 | | COIL,2.2UH(CECS) |
| L821 | 87-A50-209-010 | | COIL,1POLE MPX(MIT) |
| L822 | 87-A50-209-010 | | COIL,1POLE MPX(MIT) |
| L832 | 87-005-847-080 | | COIL,2.2UH(CECS) |
| L951 | 8A-NF8-667-010 | | COIL,AM PACK 4(TOK) |
| R161 | 87-A00-441-050 | | RES,270-1/2W J RP |
| R162 | 87-A00-441-050 | | RES,270-1/2W J RP |
| R163 | 87-A00-441-050 | | RES,270-1/2W J RP |
| R164 | 87-A00-441-050 | | RES,270-1/2W J RP |
| R790 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| R991 | 87-010-322-080 | | C-CAP,S 100P-50 CH |
| R993 | 87-010-322-080 | | C-CAP,S 100P-50 CH |
| R995 | 87-010-322-080 | | C-CAP,S 100P-50 CH |
| SFR351 | 87-A90-433-080 | | SFR,50K H NVZ6TLTA |
| SFR352 | 87-A90-433-080 | | SFR,50K H NVZ6TLTA |
| WH1 | 87-A90-510-010 | | HLDR,WIRE 2.5-9P |
| X991 | 87-A70-061-010 | | VIB,XTAL 4.500MHZ CSA-309 |

FRONT C.B

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| C101 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C102 | 87-010-322-080 | | C-CAP,S 100P-50 CH |
| C103 | 87-010-312-080 | | C-CAP,S 15P-50 CH |
| C104 | 87-012-157-080 | | C-CAP,S 330P-50 CH |
| C105 | 87-010-415-040 | | CAP,E 10-50 5L |
| C106 | 87-010-493-040 | | CAP,E 0.47-50 GAS |
| C107 | 87-A10-189-040 | | CAP,E 220-10 |
| C108 | 87-A10-189-040 | | CAP,E 220-10 |
| C109 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C110 | 87-010-178-080 | | CHIP CAP 1000P |
| C112 | 87-012-368-080 | | C-CAP,S 0.1-50 F |
| C113 | 87-A10-354-080 | | C-CAP,S 0.047-50 K B |
| C114 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C115 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C116 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C118 | 87-012-145-080 | | CAP, CHIP S 270P CH |
| C180 | 87-010-178-080 | | CHIP CAP 1000P |
| C181 | 87-010-178-080 | | CHIP CAP 1000P |
| C202 | 87-012-156-080 | | C-CAP,S 220P-50 CH |
| C203 | 87-010-322-080 | | C-CAP,S 100P-50 CH |
| C204 | 87-012-157-080 | | C-CAP,S 330P-50 CH |
| C205 | 87-012-156-080 | | C-CAP,S 220P-50 CH |
| C214 | 87-010-322-080 | | C-CAP,S 100P-50 CH |
| C215 | 87-010-322-080 | | C-CAP,S 100P-50 CH |
| C216 | 87-010-177-080 | | C-CAP,S 820P-50 SL |
| C221 | 87-010-421-040 | | CAP,E 4.7-50 5L |
| C222 | 87-010-421-040 | | CAP,E 4.7-50 5L |
| C223 | 87-010-408-040 | | CAP,E 47-50 SME |
| C224 | 87-012-369-080 | | C-CAP,S 0.047-50F |
| C312 | 87-010-498-040 | | CAP,E 10-16 GAS |
| C314 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C315 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C316 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C321 | 87-012-393-080 | | C-CAP,S 0.22-16 R K |
| C382 | 87-010-320-080 | | CHIP CAP 68P |
| C383 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C384 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C385 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C386 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C387 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C392 | 87-010-320-080 | | CHIP CAP 68P |
| C402 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C403 | 87-010-322-080 | | C-CAP,S 100P-50 CH |
| C404 | 87-010-322-080 | | C-CAP,S 100P-50 CH |
| C405 | 87-010-322-080 | | C-CAP,S 100P-50 CH |
| C406 | 87-010-322-080 | | C-CAP,S 100P-50 CH |
| C407 | 87-010-322-080 | | C-CAP,S 100P-50 CH |
| C408 | 87-010-322-080 | | C-CAP,S 100P-50 CH |
| C461 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C462 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C463 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C464 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C465 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C652 | 87-010-183-080 | | C-CAP,S 2700P-50 B |
| C653 | 87-010-213-080 | | C-CAP,S 0.015-50 B |
| C701 | 87-010-406-040 | | CAP,E 22-50 SME |
| C802 | 87-012-154-080 | | C-CAP,S 150P-50 CH<EXCEPT 80U> |
| C804 | 87-010-187-080 | | CAP CHIP S5600P<EXCEPT 80U> |
| C805 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25<EXCEPT 80U> |
| C806 | 87-010-401-040 | | CAP,E 1-50 SME<EXCEPT 80U> |
| C807 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25<EXCEPT 80U> |
| C808 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25<EXCEPT 80U> |
| C809 | 87-012-155-080 | | C-CAP 180P-50CH<EXCEPT 80U> |
| C810 | 87-010-263-040 | | CAP,E 100-10<EXCEPT 80U> |
| C811 | 87-010-545-040 | | CAP,E 0.22-50 SME<EXCEPT 80U> |
| C812 | 87-010-405-040 | | CAP,E 10-50<EXCEPT 80U> |
| CN101 | 87-099-720-010 | | CONN,30P TYK-B(P) |
| CN104 | 87-099-017-010 | | CONN, 15P 6216 V |
| CN301 | 87-099-195-010 | | CONN,7P 6216 V |
| CN604 | 87-099-210-010 | | CONN,5P 6216 H |
| CN901 | 87-A60-161-010 | | CONN,13P H FE |
| FB801 | 87-008-372-080 | | FILTER, EMI BL OIRNI<EXCEPT 80U> |
| FC104 | 88-915-111-110 | | FF-CABLE,15P 1.25 |
| FC301 | 88-907-421-110 | | FF-CABLE,7P 1.25 420MM |

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| FC901 | 88-913-521-110 | | FF-CABLE,13P 1.25 520MM |
| FL201 | 8A-NF6-601-010 | | FL,BJ750GNK 13G-35S ANF-6 |
| L101 | 87-A50-333-010 | | COIL,OSC 9.43MHZ |
| L801 | 87-A50-093-010 | | COIL,CLOCK 5.76MHZ<EXCEPT 80U> |
| LED401 | 87-017-756-040 | | LED,SLR-342DCT31 ORN |
| LED402 | 87-017-756-040 | | LED,SLR-342DCT31 ORN |
| LED403 | 87-017-756-040 | | LED,SLR-342DCT31 ORN |
| LED404 | 87-017-756-040 | | LED,SLR-342DCT31 ORN |
| LED405 | 87-017-756-040 | | LED,SLR-342DCT31 ORN |
| LED406 | 87-A40-496-040 | | LED,SLR-342MCT31 GRN |
| LED407 | 87-A40-496-040 | | LED,SLR-342MCT31 GRN |
| LED408 | 87-A40-496-040 | | LED,SLR-342MCT31 GRN |
| LED409 | 87-A40-496-040 | | LED,SLR-342MCT31 GRN |
| LED410 | 87-A40-496-040 | | LED,SLR-342MCT31 GRN |
| LED416 | 87-A40-809-080 | | LED,LTL-307KK PGRN |
| LED417 | 87-A40-809-080 | | LED,LTL-307KK PGRN |
| LED418 | 87-A40-809-080 | | LED,LTL-307KK PGRN |
| LED419 | 87-A40-809-080 | | LED,LTL-307KK PGRN |
| LED420 | 87-A40-809-080 | | LED,LTL-307KK PGRN |
| LED421 | 87-A40-809-080 | | LED,LTL-307KK PGRN |
| LED425 | 87-017-756-040 | | LED,SLR-342DCT31 ORN |
| LED426 | 87-017-756-040 | | LED,SLR-342DCT31 ORN |
| LED431 | 87-A40-678-010 | | LED,SELU1E10CXM BLUE-DEF |
| LED432 | 87-A40-678-010 | | LED,SELU1E10CXM BLUE-DEF |
| LED433 | 87-A40-678-010 | | LED,SELU1E10CXM BLUE-DEF |
| LED440 | 87-A91-665-010 | | LED,SELU1E10 CXM-SLF55 BLUE |
| LED441 | 87-A91-665-010 | | LED,SELU1E10 CXM-SLF55 BLUE |
| LED499 | 87-A40-317-080 | | LED,SLR-342VCT31 RED |
| S101 | 87-A91-591-010 | | SW,RTRY RE0121PVB25FINA24 |
| S102 | 87-A91-664-010 | | SW,RTRY RE0121PVB30F |
| S301 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S302 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S303 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S304 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S305 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S306 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S310 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S311 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S312 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S313 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S314 | 87-A91-024-180 | | SW,TACT KSH0611BT<EXCEPT 80U> |
| S321 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S322 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S323 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S324 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S325 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S326 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S327 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S328 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S329 | 87-A91-024-180 | | SW,TACT KSH0611BT<EXCEPT 80U> |
| S330 | 87-A91-024-180 | | SW,TACT KSH0611BT<EXCEPT 80U> |
| S331 | 87-A91-024-180 | | SW,TACT KSH0611BT<EXCEPT 80U> |
| S332 | 87-A91-024-180 | | SW,TACT KSH0611BT<EXCEPT 80U> |
| S333 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S334 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S341 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S342 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S343 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S344 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S345 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S346 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S347 | 87-A91-024-180 | | SW,TACT KSH0611BT |

CD KEY C.B

| | | | |
|---|---|---|---|
| CN302 | 87-099-195-010 | | CONN,7P 6216 V |
| LED451 | 87-017-756-040 | | LED,SLR-342DCT31 ORN |
| LED452 | 87-017-756-040 | | LED,SLR-342DCT31 ORN |
| LED453 | 87-017-756-040 | | LED,SLR-342DCT31 ORN |
| LED454 | 87-A40-496-040 | | LED,SLR-342MCT31 GRN |
| LED455 | 87-A40-496-040 | | LED,SLR-342MCT31 GRN |
| LED456 | 87-A40-496-040 | | LED,SLR-342MCT31 GRN |
| S349 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S350 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S351 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S352 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S353 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S354 | 87-A91-024-180 | | SW,TACT KSH0611BT |
| S355 | 87-A91-024-180 | | SW,TACT KSH0611BT |

MIC C.B

| | | | |
|---|---|---|---|
| C601 | 87-010-186-080 | | CAP,CHIP 4700P |
| C602 | 87-010-405-040 | | CAP,E 10-50 |
| C603 | 87-010-320-080 | | CHIP CAP 68P |
| C604 | 87-010-546-040 | | CAP,E 0.33-50 |
| C606 | 87-010-112-040 | | CAP,E 100-16 |
| C607 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C608 | 87-010-178-080 | | CHIP CAP 1000P |
| C621 | 87-010-178-080 | | CHIP CAP 1000P |
| CN603 | 87-099-212-010 | | CONN,5P 6216 V |
| FB601 | 87-008-372-080 | | FILTER, EMI BL OIRNI |
| FC603 | 88-905-281-110 | | FF-CABLE, 5P 1.25 280MM |
| J601 | 87-A61-242-010 | | JACK,6.3 BLK MONO W/SW V KM |
| J602 | 87-A61-242-010 | | JACK,6.3 BLK MONO W/SW V KM |

VM C.B

AMP 1F C.B

| | | | |
|---|---|---|---|
| C101 | 87-010-178-080 | | CHIP CAP 1000P |
| C102 | 87-010-178-080 | | CHIP CAP 1000P |
| C103 | 87-010-545-080 | | CAP, ELECT 0.22-50V |
| C104 | 87-010-545-080 | | CAP, ELECT 0.22-50V |
| C107 | 87-016-145-080 | | CAP, ELECT 10-50 M 105 KME<80U> |
| C107 | 87-010-405-080 | | CAP, ELECT 10-50V<EXCEPT 80U> |
| C108 | 87-016-145-080 | | CAP, ELECT 10-50 M 105 KME<80U> |
| C108 | 87-010-405-080 | | CAP, ELECT 10-50V<EXCEPT 80U> |
| C113 | 87-010-405-080 | | CAP, ELECT 10-50V |
| C114 | 87-010-405-080 | | CAP, ELECT 10-50V |
| C115 | 87-A12-180-080 | | CAP, ELECT 10-63 M 105 KME<80U> |
| C115 | 87-016-299-080 | | CAP,E 10-100 SME<EXCEPT 80U> |
| C116 | 87-A12-180-080 | | CAP, ELECT 10-63 M 105 KME<80U> |
| C116 | 87-016-299-080 | | CAP,E 10-100 SME<EXCEPT 80U> |
| C119 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C120 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C133 | 87-010-190-080 | | C-CAP,S 0.01-50 ZF |
| C153 | 87-010-188-080 | | C-CAP,S 6800P-50 B |
| C201 | 87-A10-300-080 | | CAP,M 0.027-50 J |
| C202 | 87-A10-300-080 | | CAP,M 0.027-50 J |
| C203 | 87-A10-300-080 | | CAP,M 0.027-50 J |
| C204 | 87-A10-300-080 | | CAP,M 0.027-50 J |
| C205 | 87-010-180-080 | | C-CER 1500P |
| C206 | 87-010-180-080 | | C-CER 1500P |
| C207 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C208 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C209 | 87-010-187-080 | | CAP CHIP S5600P |
| C210 | 87-010-187-080 | | CAP CHIP S5600P |
| C211 | 87-016-142-080 | | CAP, ELECT 2.2-50 KME<80U> |
| C211 | 87-010-402-080 | | CAP, ELECT 2.2-50V<EXCEPT 80U> |
| C212 | 87-010-402-080 | | CAP, ELECT 2.2-50V |
| C215 | 87-012-140-080 | | C-CAP,S 470P-50 J CH |
| C216 | 87-012-140-080 | | C-CAP,S 470P-50 J CH |
| C217 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C218 | 87-016-141-080 | | CAP, ELECT 1-50 M 105 KME<80U> |
| C218 | 87-010-401-080 | | CAP, ELECT 1-50V<EXCEPT 80U> |
| C221 | 87-010-405-080 | | CAP, ELECT 10-50V |
| C222 | 87-010-405-080 | | CAP, ELECT 10-50V |
| C223 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C224 | 87-010-197-080 | | CAP, CHIP 0.01 DM |

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| C251 | 87-012-368-080 | | C-CAP,S 0.1-50 F |
| C252 | 87-012-368-080 | | C-CAP,S 0.1-50 F |
| C253 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C254 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C401 | 87-010-260-080 | | CAP, ELECT 47-25V |
| CN101 | 87-A61-011-010 | | CONN,13P H BLK TAC-L13P-A3 |
| CN102 | 87-A61-011-010 | | CONN,13P H BLK TAC-L13P-A3 |
| CN106 | 87-099-195-010 | | CONN,7P 6216 V |
| CNA101 | 8A-NF6-645-010 | | CONN ASSY,5P TID-A(530) |
| CNA102 | 8A-NF6-660-010 | | CONN ASSY,3P (SATE) ANF-6 |
| FC106 | 88-907-151-110 | | FF-CABLE, 7P 1.25 150MM |
| J201 | 87-A61-148-010 | | JACK,PIN 4P R/W BLUE |
| L251 | 87-003-383-010 | | COIL,1UH-S |
| L252 | 87-003-383-010 | | COIL,1UH-S |
| R129 | 87-A00-262-080 | | RES,M/F 0.15-2W J |
| R130 | 87-A00-262-080 | | RES,M/F 0.15-2W J |
| R231 | 87-A00-258-080 | | RES,M/F 0.22-1W J |
| R232 | 87-A00-258-080 | | RES,M/F 0.22-1W J |
| WH101 | 87-A90-459-010 | | HLDR,WIRE 2.5-5P |

AMP SATE C.B

| | | | |
|---|---|---|---|
| C201 | 87-010-263-080 | | CAP, ELECT 100-10V |
| C211 | 87-012-393-080 | | C-CAP,S 0.22-16 R K |
| C212 | 87-012-393-080 | | C-CAP,S 0.22-16 R K |
| C213 | 87-012-393-080 | | C-CAP,S 0.22-16 R K |
| C214 | 87-012-393-080 | | C-CAP,S 0.22-16 R K |
| C215 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C216 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C217 | 87-012-141-080 | | CHIP-CAPACITOR,0.22-16F |
| C218 | 87-012-141-080 | | CHIP-CAPACITOR,0.22-16F |
| C219 | 87-010-184-080 | | CHIP CAPACITOR 3300P(K) |
| C220 | 87-010-184-080 | | CHIP CAPACITOR 3300P(K) |
| C221 | 87-010-177-080 | | C-CAP,S 820P-50 SL |
| C222 | 87-010-177-080 | | C-CAP,S 820P-50 SL |
| C223 | 87-016-669-080 | | C-CAP,S 0.1-25 K B |
| C224 | 87-016-669-080 | | C-CAP,S 0.1-25 K B |
| C225 | 87-016-669-080 | | C-CAP,S 0.1-25 K B |
| C226 | 87-016-669-080 | | C-CAP,S 0.1-25 K B |
| C227 | 87-010-184-080 | | CHIP CAPACITOR 3300P(K) |
| C228 | 87-010-184-080 | | CHIP CAPACITOR 3300P(K) |
| C229 | 87-010-177-080 | | C-CAP,S 820P-50 SL |
| C230 | 87-010-177-080 | | C-CAP,S 820P-50 SL |
| C231 | 87-012-141-080 | | CHIP-CAPACITOR,0.22-16F |
| C232 | 87-012-141-080 | | CHIP-CAPACITOR,0.22-16F |
| C233 | 87-010-374-080 | | CAP, ELECT 47-10V |
| C234 | 87-010-374-080 | | CAP, ELECT 47-10V |
| C235 | 87-010-544-080 | | CAP, ELECT 0.1-50V |
| C236 | 87-010-544-080 | | CAP, ELECT 0.1-50V |
| C237 | 87-010-183-080 | | C-CAP,S 2700P-50 B |
| C238 | 87-010-183-080 | | C-CAP,S 2700P-50 B |
| C239 | 87-010-544-080 | | CAP, ELECT 0.1-50V |
| C240 | 87-010-544-080 | | CAP, ELECT 0.1-50V |
| C301 | 87-010-178-080 | | CHIP CAP 1000P |
| C302 | 87-010-178-080 | | CHIP CAP 1000P |
| C303 | 87-010-544-080 | | CAP, ELECT 0.1-50V |
| C304 | 87-010-544-080 | | CAP, ELECT 0.1-50V |
| C309 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C310 | 87-010-401-080 | | CAP, ELECT 1-50V |
| C311 | 87-010-260-080 | | CAP, ELECT 47-25V |
| C312 | 87-010-260-080 | | CAP, ELECT 47-25V |
| C315 | 87-A10-596-080 | | C-CAP,S 100P-100 J CH |
| C316 | 87-A10-596-080 | | C-CAP,S 100P-100 J CH |
| C317 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C318 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C319 | 87-012-368-080 | | C-CAP,S 0.1-50 F |
| C320 | 87-012-368-080 | | C-CAP,S 0.1-50 F |
| C321 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C322 | 87-010-197-080 | | CAP, CHIP 0.01 DM |
| C323 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C324 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C325 | 87-010-186-080 | | CAP,CHIP 4700P |
| C401 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C402 | 87-010-196-080 | | CHIP CAPACITOR,0.1-25 |
| C403 | 87-010-405-080 | | CAP, ELECT 10-50V |
| C404 | 87-010-405-080 | | CAP, ELECT 10-50V |
| CN101 | 87-099-195-010 | | CONN,7P 6216 V |
| CN102 | 87-049-919-010 | | CONN,3P EH V WHT |
| CN103 | 87-A60-619-010 | | CONN,2P V 2MM JMT |
| J301 | 87-A61-189-010 | | JACK,3.5 MONO |
| J302 | 87-A61-189-010 | | JACK,3.5 MONO |
| L301 | 87-003-383-010 | | COIL,1UH-S |
| L302 | 87-003-383-010 | | COIL,1UH-S |

PT C.B

| | | | |
|---|---|---|---|
| C1 | 87-010-387-080 | | CAP,E 470-25 SME |
| C4 | 87-A11-148-080 | | CAP,TC U 0.1-50 Z F |
| C5 | 87-A11-148-080 | | CAP,TC U 0.1-50 Z F |
| C6 | 87-010-917-000 | | CAP,E 3300-50 M SMG |
| C7 | 87-010-917-000 | | CAP,E 3300-50 M SMG |
| C8 | 87-A11-148-080 | | CAP,TC U 0.1-50 Z F |
| C9 | 87-A11-148-080 | | CAP,TC U 0.1-50 Z F |
| C10 | 87-A11-148-080 | | CAP,TC U 0.1-50 Z F |
| C11 | 87-A11-148-080 | | CAP,TC U 0.1-50 Z F |
| C12 | 87-016-520-000 | | CAP,E 3300-65 M SMG<80U> |
| C12 | 87-016-657-090 | | CAP,E 3300-71<EXCEPT 80U> |
| C13 | 87-016-520-000 | | CAP,E 3300-65 M SMG<80U> |
| C13 | 87-016-657-090 | | CAP,E 3300-71<EXCEPT 80U> |
| C16 | 87-010-403-080 | | CAP, ELECT 3.3-50V |
| CN1 | 87-A61-110-010 | | CONN,9P V TID-A |
| CN2 | 87-A61-108-010 | | CONN,5P V TID-A |
| ⚠ PT2 | 8A-NF8-673-010 | | PT,SUB ANF-8 (H)KAMI<EXCEPT 80U> |
| ⚠ PT2 | 8A-NF8-661-010 | | PT,SUB ANF-8 (U)<80U> |
| ⚠ PT101 | 8A-NF6-622-010 | | PT,LH EI96-60 ANF-6<EXCEPT 80U> |
| ⚠ PT101 | 8A-NF6-621-010 | | PT,U EI96-60 ANF-6<80U> |
| ⚠ RY1 | 87-A91-281-010 | | RELAY,ACDC12V OSA-SS-212DM5<EX 80U> |
| ⚠ RY2 | 87-A90-976-010 | | RELAY,AC12V SDT-S-112LMR<80U> |
| ⚠ S1 | 87-A90-165-010 | | SW,SL 1-2-3 SWS2301<EXCEPT 80U> |
| ⚠ T1 | 87-A60-317-010 | | TERMINAL, 1P MSC |
| ⚠ T2 | 87-A60-317-010 | | TERMINAL, 1P MSC |

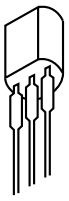
DECK C.B

| | | | |
|---|---|---|---|
| CON501 | 87-099-756-019 | | CONN,15P 9604S F |
| SFR1 | 87-024-581-010 | | SFR,3.3K DIA 6H |
| SOL1 | 82-ZM1-618-410 | | SOL ASSY,27 |
| SOL2 | 82-ZM1-618-410 | | SOL ASSY,27 |
| SW1 | 87-A90-248-010 | | SW,MICRO ESE11SH2CXQ |
| SW2 | 87-A90-248-010 | | SW,MICRO ESE11SH2CXQ |
| SW3 | 87-A90-248-010 | | SW,MICRO ESE11SH2CXQ |
| SW4 | 87-036-110-010 | | SW,MICRO SPPB62 |
| SW5 | 87-036-110-010 | | SW,MICRO SPPB62 |
| SW6 | 87-036-110-010 | | SW,MICRO SPPB62 |
| SW8 | 87-A90-248-010 | | SW,MICRO ESE11SH2CXQ |
| SW9 | 87-A90-248-010 | | SW,MICRO ESE11SH2CXQ |
| W1 | 82-ZM3-601-010 | | RBN-CORD,4P-75 |

HEAD-1 C.B

HEAD-2 C.B

# TRANSISTOR ILLUSTRATION



E C B

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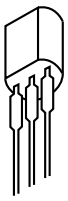
KTC3198GR
CD1585BC
CSA952K

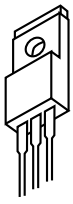
E C B

CC5551



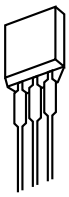
E C B

CSC4115BC



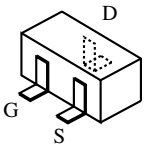
B C E

2SB1370
2SB1370F
2SD2061F

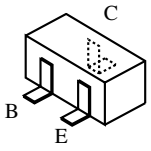


E C B

DTC114ES
KTC3199GR
2SA933S




2SK2158
2SJ461-T1

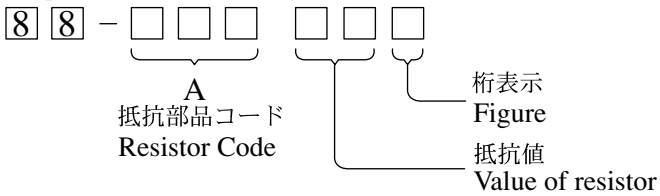



2SA1235F
2SC2714O
2SC3052F
CMBT5551
CMBT5401

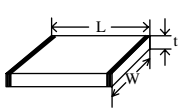
RT1P141C
CSD1306E
KRA104S
KRC102S-RTK
KRA107S

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち
Chip Resistor Part Coding



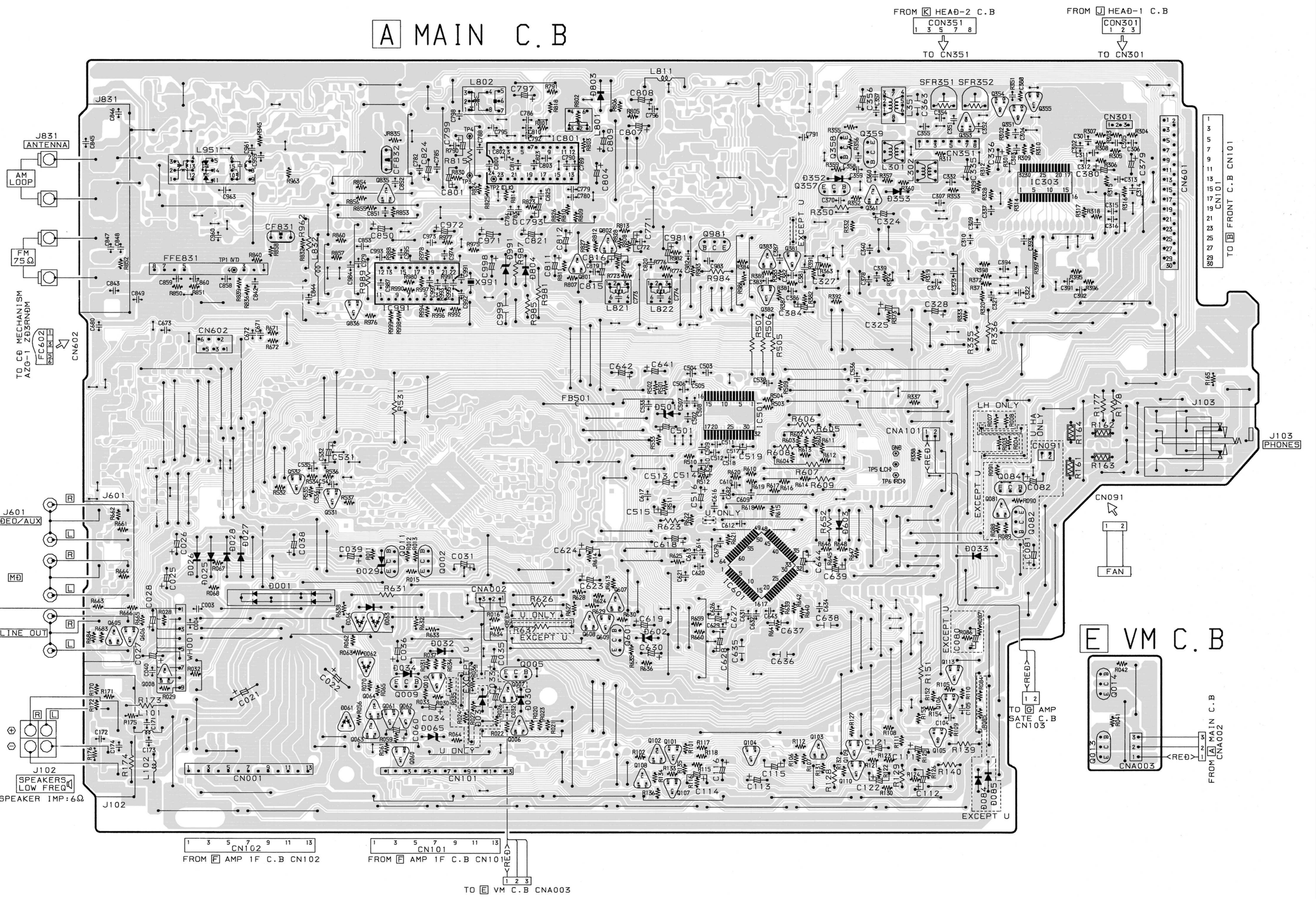

チップ抵抗
Chip resistor

| 容量 Wattage | 種類 Type | 許容誤差 Tolerance | 記号 Symbol | 寸法／Dimensions (mm) 外形／Form | L | W | t | 抵抗コード : A Resistor Code : A |
|---|---|---|---|---|---|---|---|---|
| 1/16W | 1005 | ± 5% | CJ |  | 1.0 | 0.5 | 0.35 | 104 |
| 1/16W | 1608 | ± 5% | CJ | | 1.6 | 0.8 | 0.45 | 108 |
| 1/10W | 2125 | ± 5% | CJ | | 2 | 1.25 | 0.45 | 118 |
| 1/8W | 3216 | ± 5% | CJ | | 3.2 | 1.6 | 0.55 | 128 |

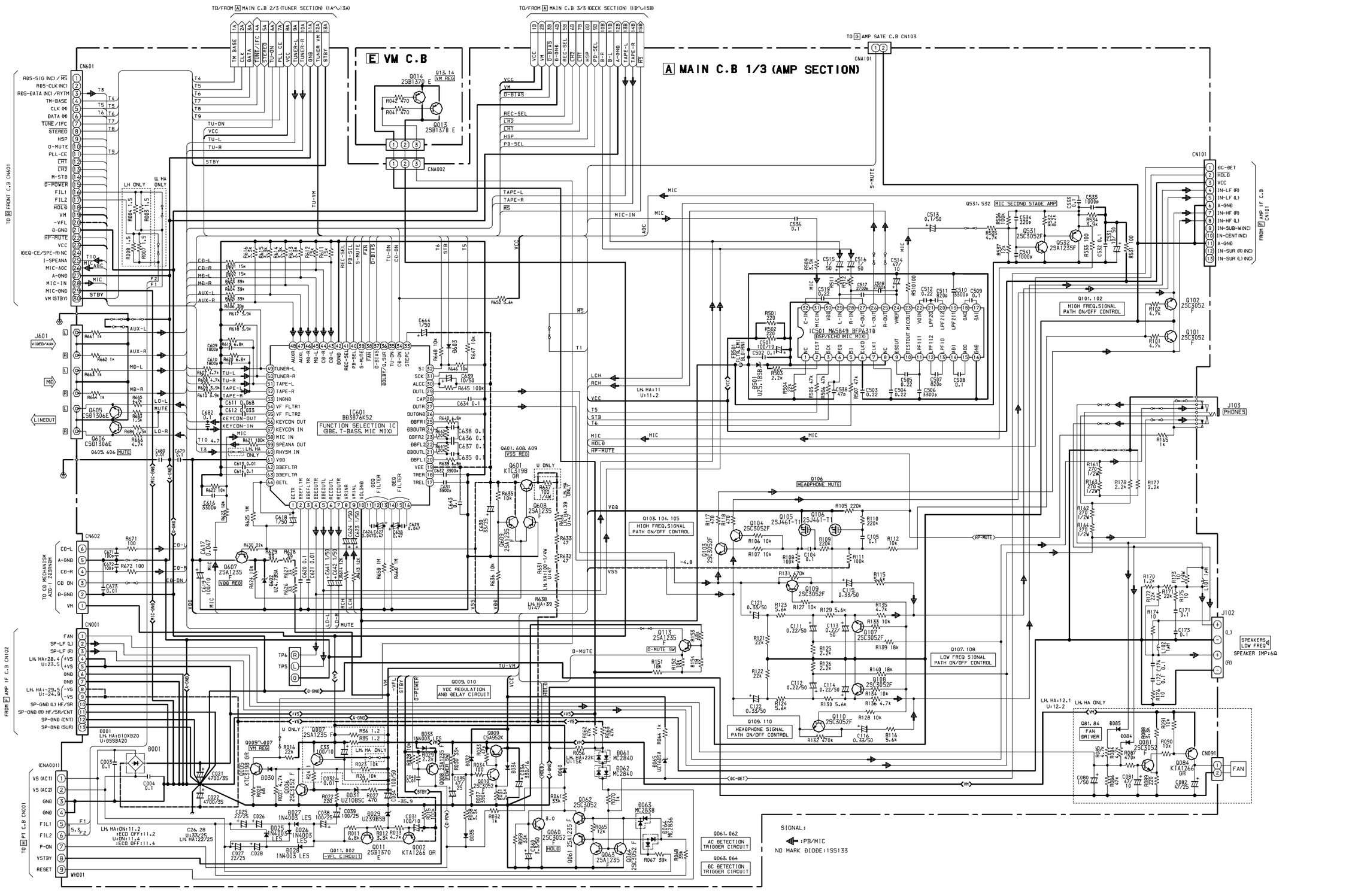
32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

A B C D E F G H I J K L M N O P Q R S T U

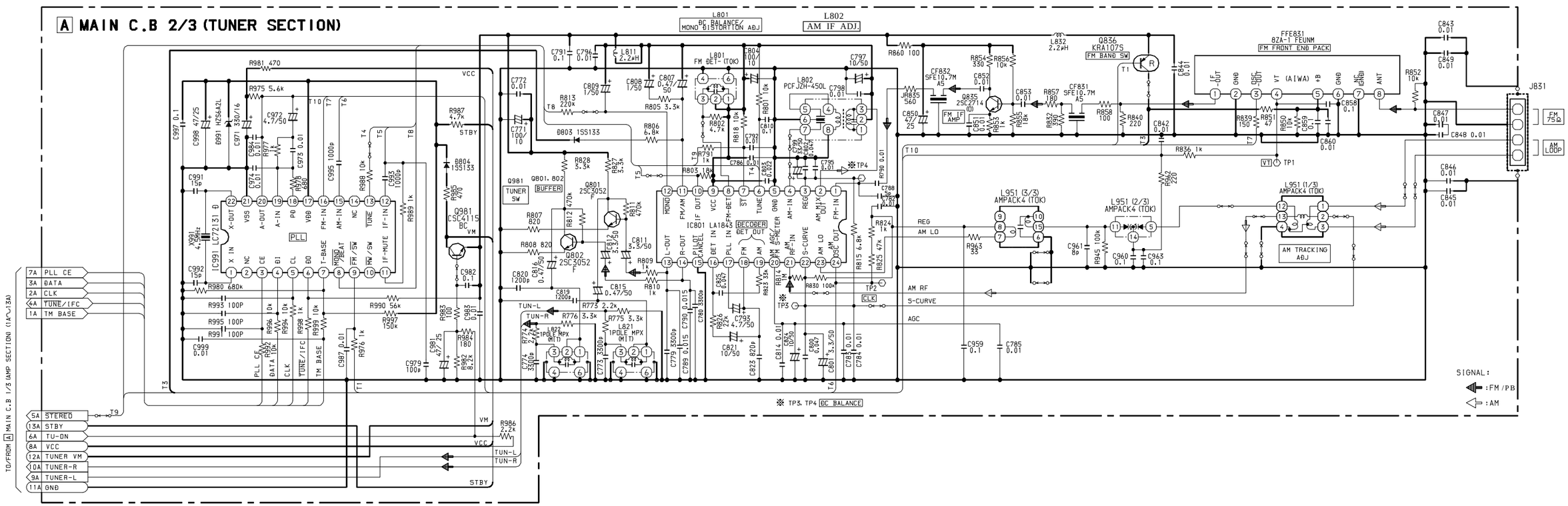
# A MAIN C.B



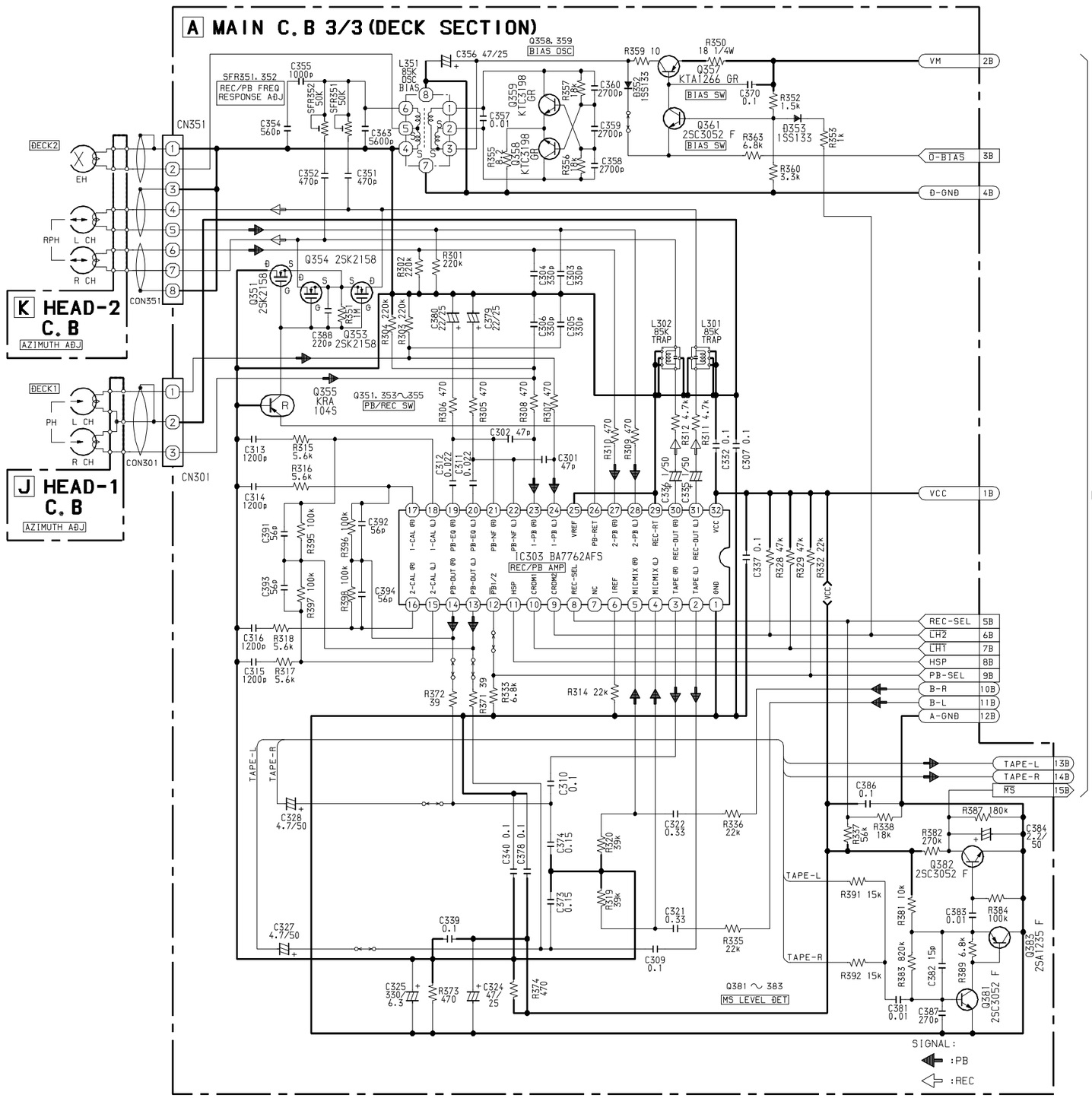
# SCHEMATIC DIAGRAM – 1 (MAIN 1 / 3: AMP SECTION / VM)

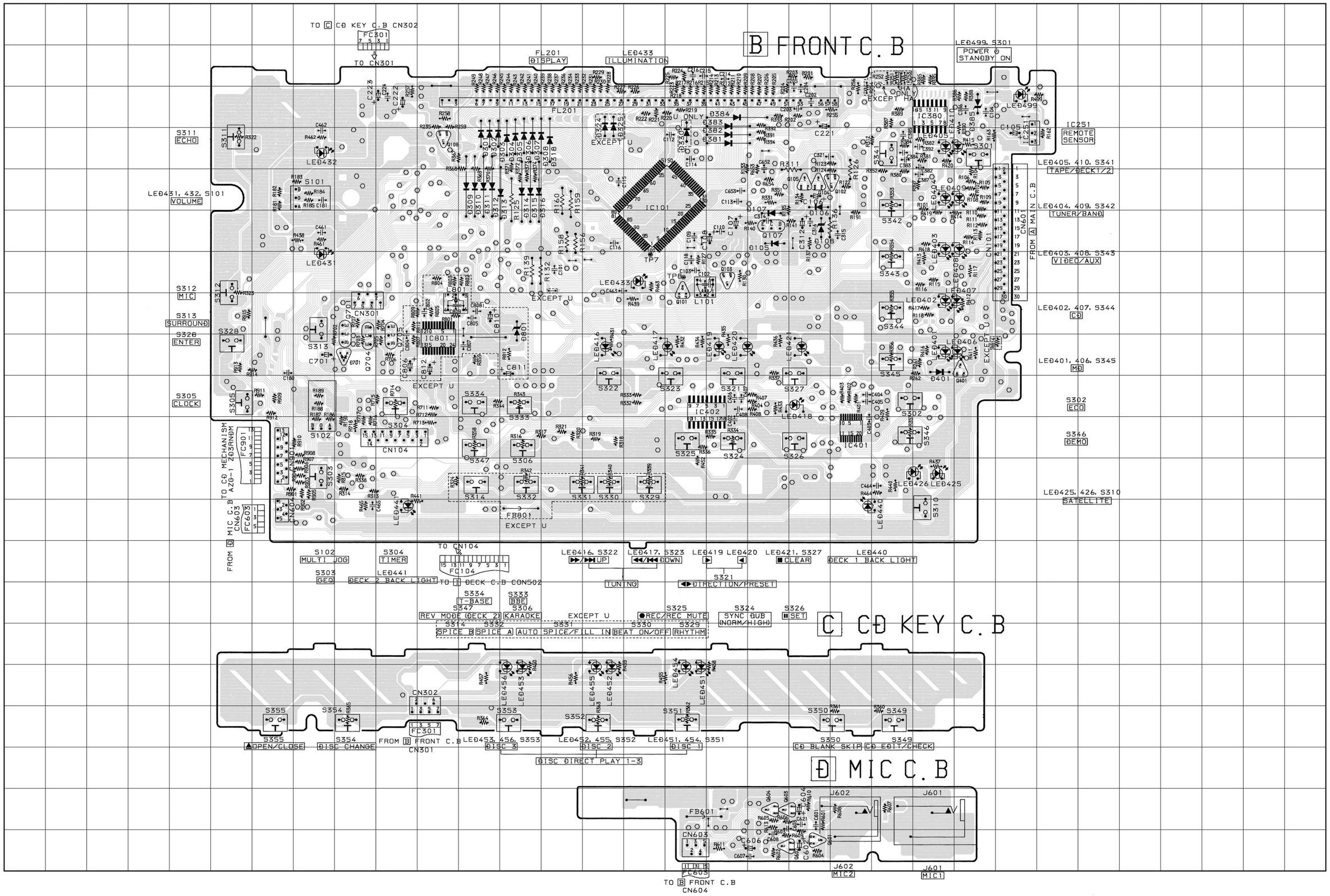

A MAIN C.B 1/3 (AMP SECTION)
E VM C.B
TO/FROM A MAIN C.B 2/3 (TUNER SECTION)
TO/FROM A MAIN C.B 3/3 (DECK SECTION)
TO A AMP SATE C.B CN103
CN601
CN101
CN602
CN001
CNA001
J601
J102
J103
IC601 BD5876KS2 FUNCTION SELECTION IC (BBE, T-BASS, MIC MIX)
IC501 M65849 BFP631B (BSP/ECHO MIC MIX)
Q531, 532 MIC SECOND STAGE AMP
Q101, 102 HIGH FREQ.SIGNAL PATH ON/OFF CONTROL
Q103, 104, 105 HIGH FREQ.SIGNAL PATH ON/OFF CONTROL
Q106 HEADPHONE MUTE
Q107, 108 LOW FREQ SIGNAL PATH ON/OFF CONTROL
Q109, 110 HEADPHONE SIGNAL PATH ON/OFF CONTROL
Q009, 010 VOC REGULATION AND DELAY CIRCUIT
Q011, 002 -VFL CIRCUIT
Q081, 084 FAN DRIVER
Q601, 608, 609 VSS REG
Q601 VM REG
Q005~007 VH REG
Q607 VBB REG
Q113 D-MUTE SW
Q061, 062 AC DETECTION TRIGGER CIRCUIT
Q063, 064 BC DETECTION TRIGGER CIRCUIT
SPEAKERS LOW FREQ
SPEAKER IMP:6Ω
SIGNAL:
:PB/MIC
NO MARK DIODE:1SS133

SCHEMATIC DIAGRAM – 2 (MAIN 2 / 3: TUNER SECTION)

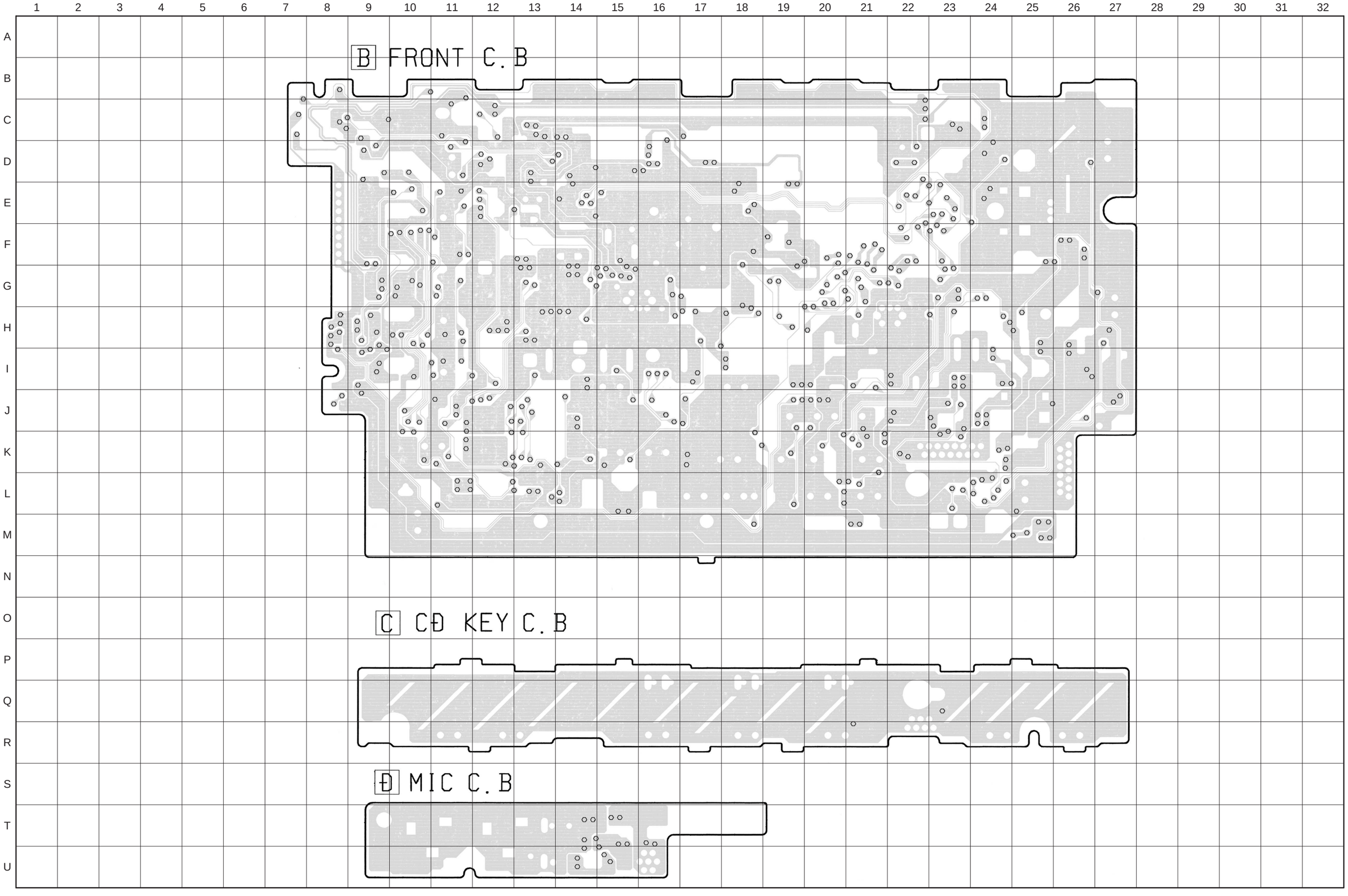


SCHEMATIC DIAGRAM – 3 (MAIN 3 / 3: DECK SECTION)

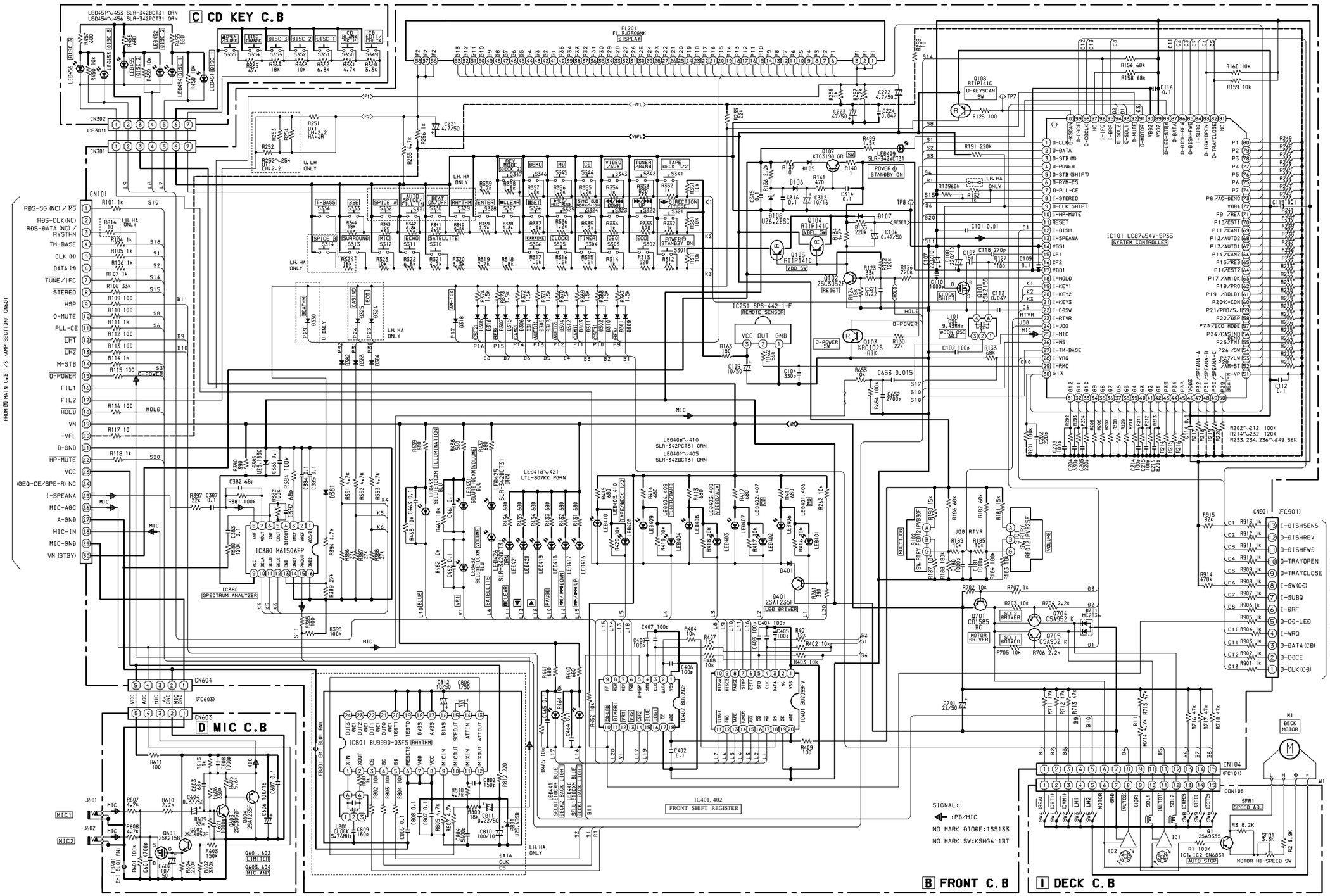



B FRONT C.B
C CD KEY C.B
D MIC C.B
TO C CD KEY C.B CN302
FC301
TO CN301
FL201 DISPLAY
LED433 ILLUMINATION
LED499, S301 POWER ⏻ STANDBY ON
U ONLY
EXCEPT HA
IC380
IC251 REMOTE SENSOR
S311 ECHO
LED431, 432, S101 VOLUME
LED405, 410, S341 TAPE/DECK1/2
LED404, 409, S342 TUNER/BAND
LED403, 408, S343 VIDEO/AUX
LED402, 407, S344 CD
LED401, 406, S345 MD
S312 MIC
S313 SURROUND
S328 ENTER
S305 CLOCK
S302 ECO
S346 DEMO
IC801
IC402
IC401
IC101
TP7
TP8
L101
Q107
CN104
CN301
CN302
CN60 1 FROM A MAIN C.B
TO CD MECHANISM AZG-1 2D3RNBM
FC901
FROM B MIC C.B CN603 FC603
S102 MULTI JOG
S304 TIMER
S303 GEQ
LED441 DECK 2 BACK LIGHT
TO CN104
FC104
TO E DECK C.B CON502
LED416, S322 ▶▶/▶▶| UP
LED417, S323 |◀◀/◀◀ DOWN
LED419 LED420 ▶
LED421, S327 ■ CLEAR
LED440 DECK 1 BACK LIGHT
S321 TUNING ◀▶ DIRECTION/PRESET
S334 T-BASE
S333 BBE
S347 REV MODE (DECK 2)
S306 KARAOKE
EXCEPT U
S325 ● REC/REC MUTE
S324 SYNC SUB (NORM/HIGH)
S326 ❚❚ SET
S314 SPICE B
S332 SPICE A
S331 AUTO SPICE/FILL IN
S330 BEAT ON/OFF
S329 RHYTHM
LED456, 453, 457, 450, LED455, 452, 454, 451, LED434
S355 ▲OPEN/CLOSE
S354 DISC CHANGE
FROM B FRONT C.B CN301
LED453, 456, S353 DISC 3
LED452, 455, S352 DISC 2
LED451, 454, S351 DISC 1
DISC DIRECT PLAY 1-3
S350 CD BLANK SKIP
S349 CD EDIT/CHECK
FB601
CN603
J602 MIC2
J601 MIC1
TO B FRONT C.B CN604
LED425, 426, S310 SATELLITE

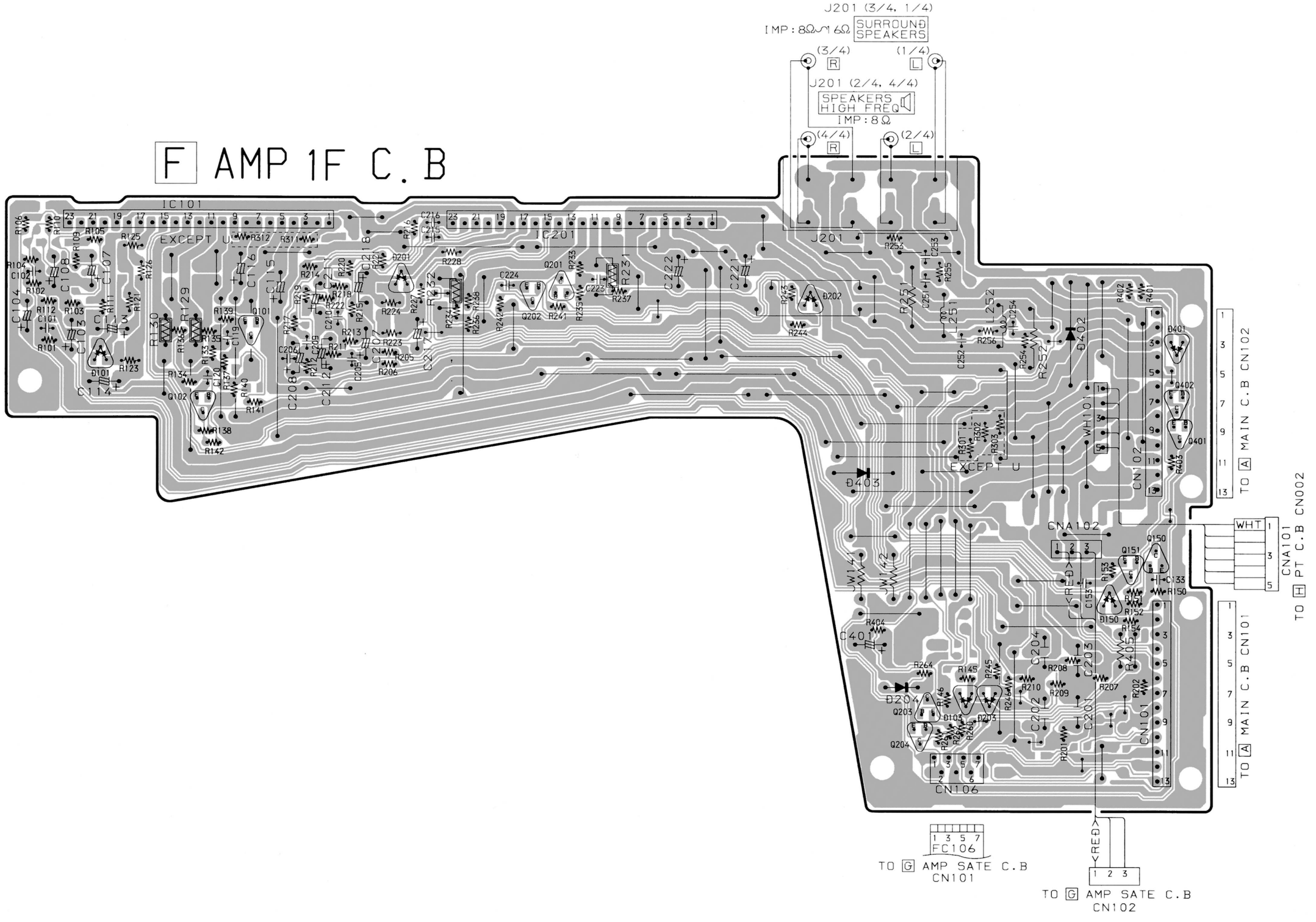
WIRING – 2 (FRONT / CD KEY / MIC) <2 / 2>

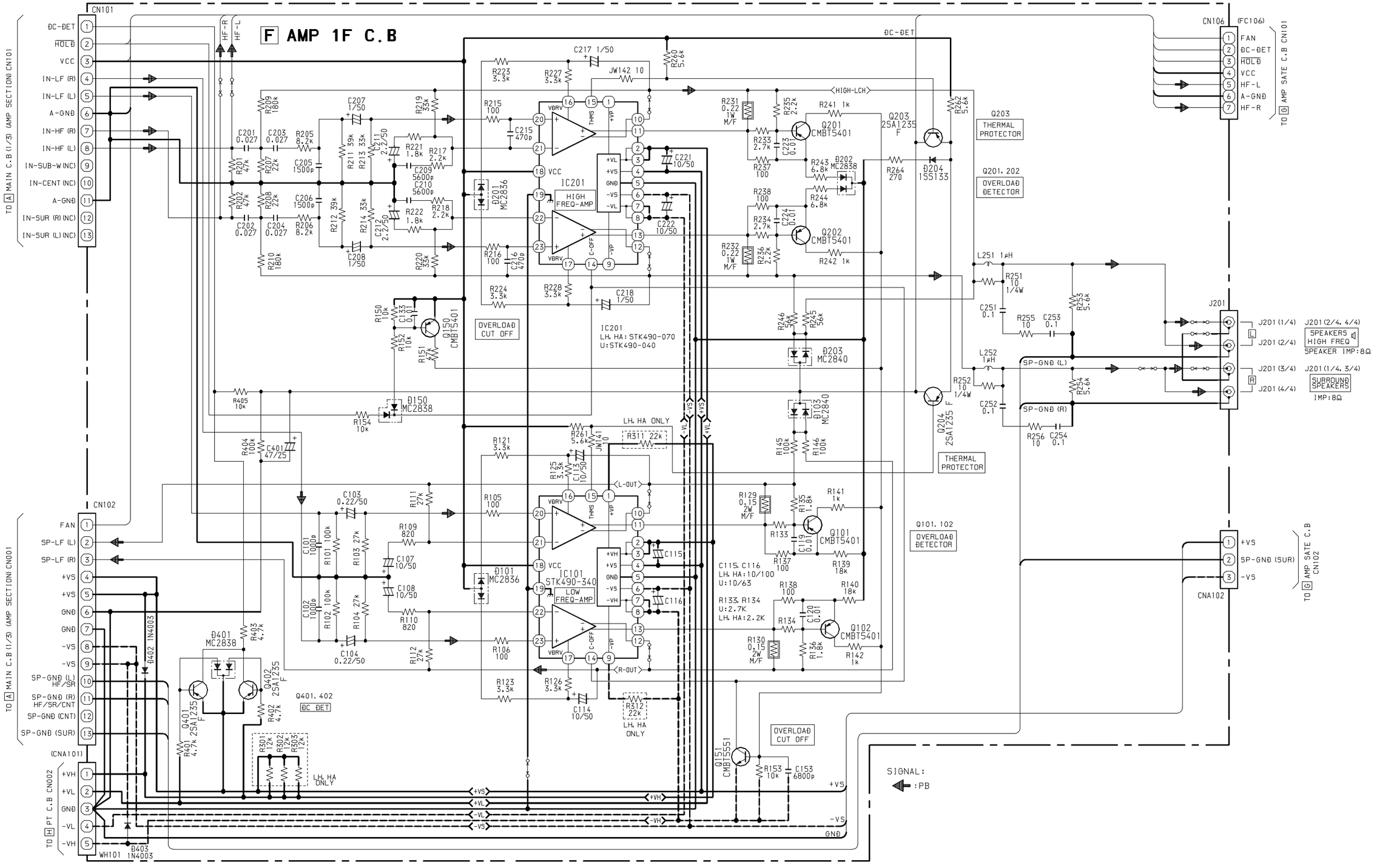


SCHEMATIC DIAGRAM – 4 (FRONT / CD KEY / MIC)

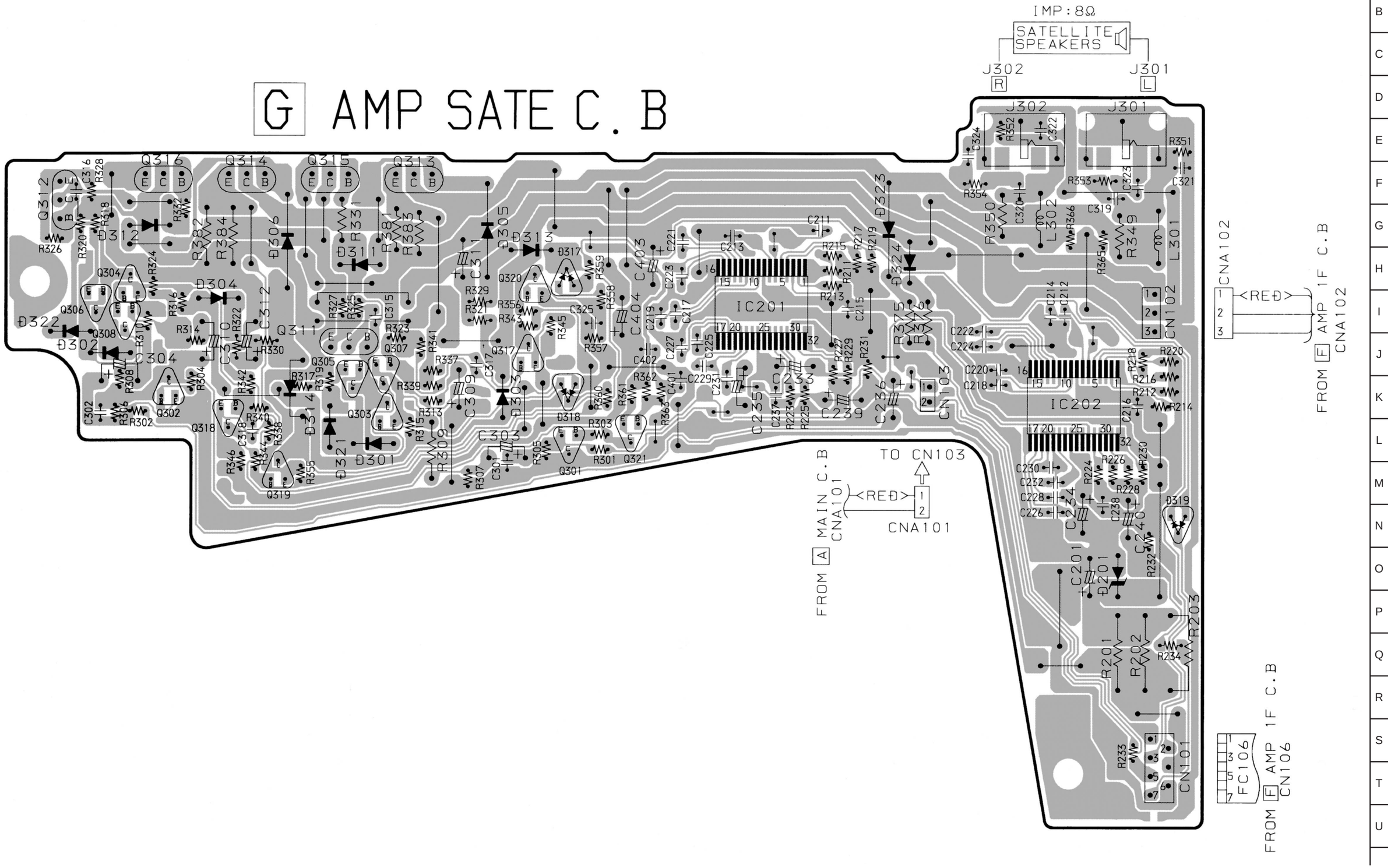


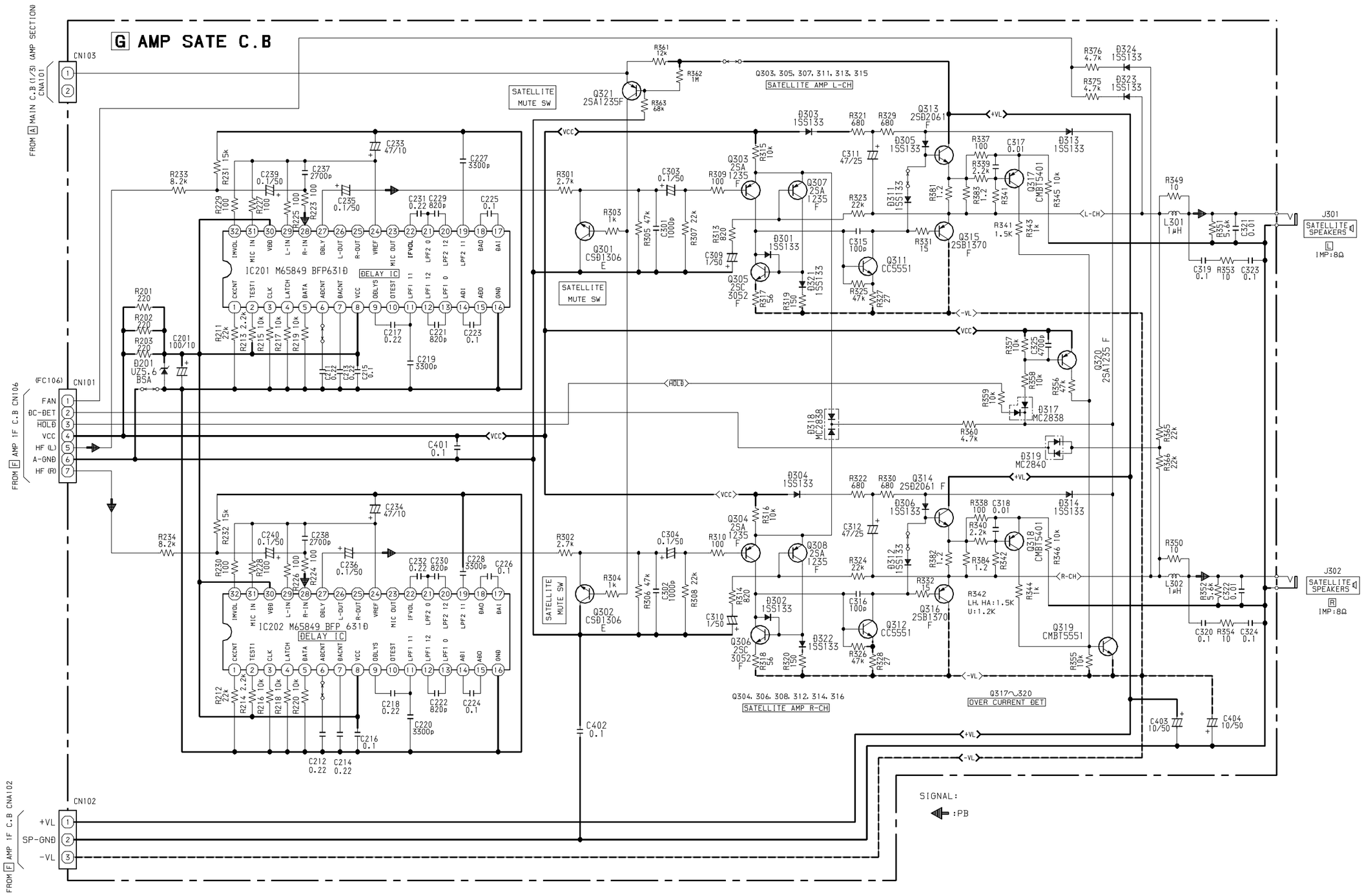
# F AMP 1F C.B

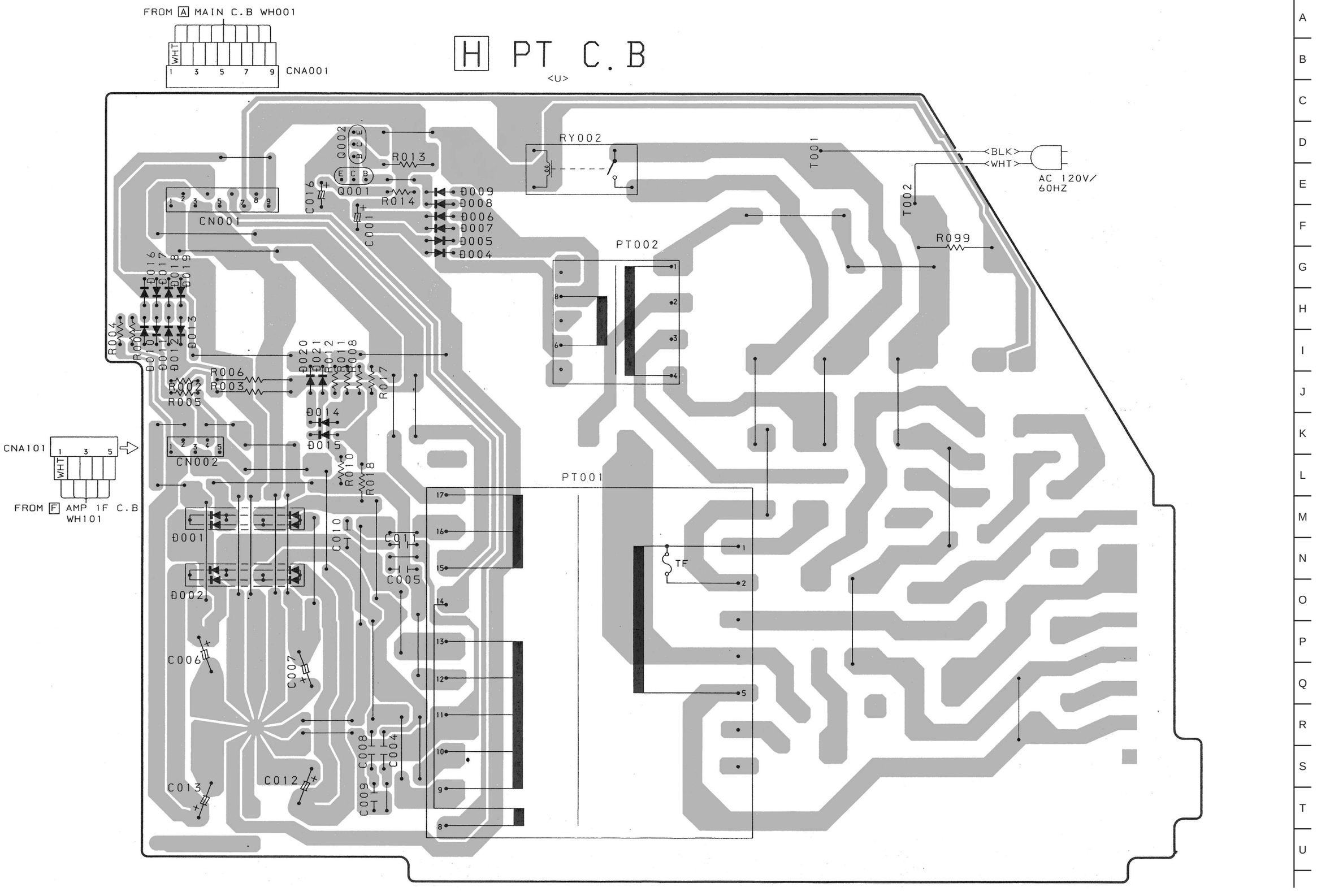

J201 (3/4, 1/4)
IMP : 8Ω~16Ω
SURROUND SPEAKERS
(3/4) R
(1/4) L
J201 (2/4, 4/4)
SPEAKERS HIGH FREQ
IMP : 8Ω
(4/4) R
(2/4) L
IC101
IC201
J201
EXCEPT U
EXCEPT U
TO A MAIN C.B CN102
TO A MAIN C.B CN101
CNA101
TO H PT C.B CN002
WHT
RED
CNA102
CN102
CN101
CN106
FC106
TO G AMP SATE C.B CN101
TO G AMP SATE C.B CN102
JW141
JW142
WH101
Q401
Q402
Q150
Q151
Q201
Q202
Q203
Q204
Q101
Q102
D201
D202
D203
D204
D401
D402
D403
D150
D103
D203


F AMP 1F C.B
CN101
TO A MAIN C.B (1/3) (AMP SECTION) CN101
ÐC-ÐET
HOLÐ
VCC
IN-LF (R)
IN-LF (L)
A-GNÐ
IN-HF (R)
IN-HF (L)
IN-SUB-W (NC)
IN-CENT (NC)
A-GNÐ
IN-SUR (R) (NC)
IN-SUR (L) (NC)
HF-R
HF-L
IC201
HIGH FREQ-AMP
IC201
LH. HA: STK490-070
U:STK490-040
OVERLOAÐ CUT OFF
LH. HA ONLY
HIGH-LCH
Q203 2SA1235 F
THERMAL PROTECTOR
Q201 CMBT5401
Q202 CMBT5401
Q203 THERMAL PROTECTOR
Q201. 202 OVERLOAÐ ÐETECTOR
ÐC-ÐET
CN106 (FC106)
FAN
ÐC-ÐET
HOLÐ
VCC
HF-L
A-GNÐ
HF-R
TO G AMP SATE C.B CN101
J201
J201 (1/4)
J201 (2/4, 4/4)
SPEAKERS HIGH FREQ
SPEAKER IMP:8Ω
J201 (2/4)
J201 (3/4)
J201 (1/4, 3/4)
SURROUND SPEAKERS
IMP:8Ω
J201 (4/4)
SP-GNÐ (L)
SP-GNÐ (R)
Q204 2SA1235 F
THERMAL PROTECTOR
CN102
FAN
SP-LF (L)
SP-LF (R)
+VS
+VS
GNÐ
GNÐ
-VS
-VS
SP-GNÐ (L) HF/SR
SP-GNÐ (R) HF/SR/CNT
SP-GNÐ (CNT)
SP-GNÐ (SUR)
TO A MAIN C.B (1/3) (AMP SECTION) CN001
(CNA101)
+VH
+VL
GNÐ
-VL
-VH
TO H PT C.B CN002
WH101
IC101
STK490-340
LOW FREQ-AMP
Q101. 102 OVERLOAÐ ÐETECTOR
Q101 CMBT5401
Q102 CMBT5401
C115. C116 LH. HA:10/100 U:10/63
R133. R134 U:2.7K LH. HA:2.2K
Q401. 402 ÐC ÐET
Q401 2SA1235 F
Q402 2SA1235 F
LH. HA ONLY
OVERLOAÐ CUT OFF
Q151 CMBT5551
CNA102
+VS
SP-GNÐ (SUR)
-VS
TO G AMP SATE C.B CN102
SIGNAL:
:PB

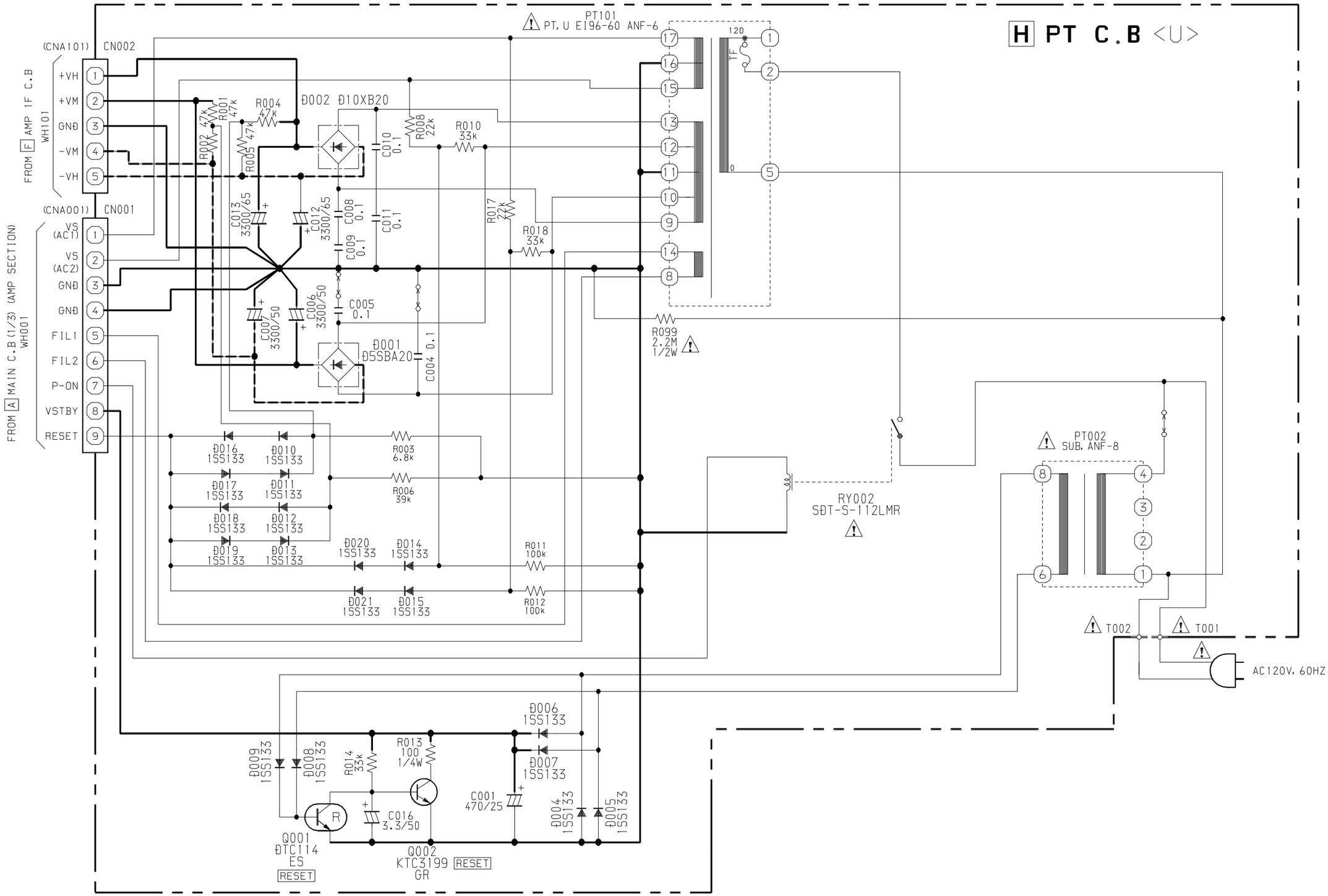
# G AMP SATE C.B

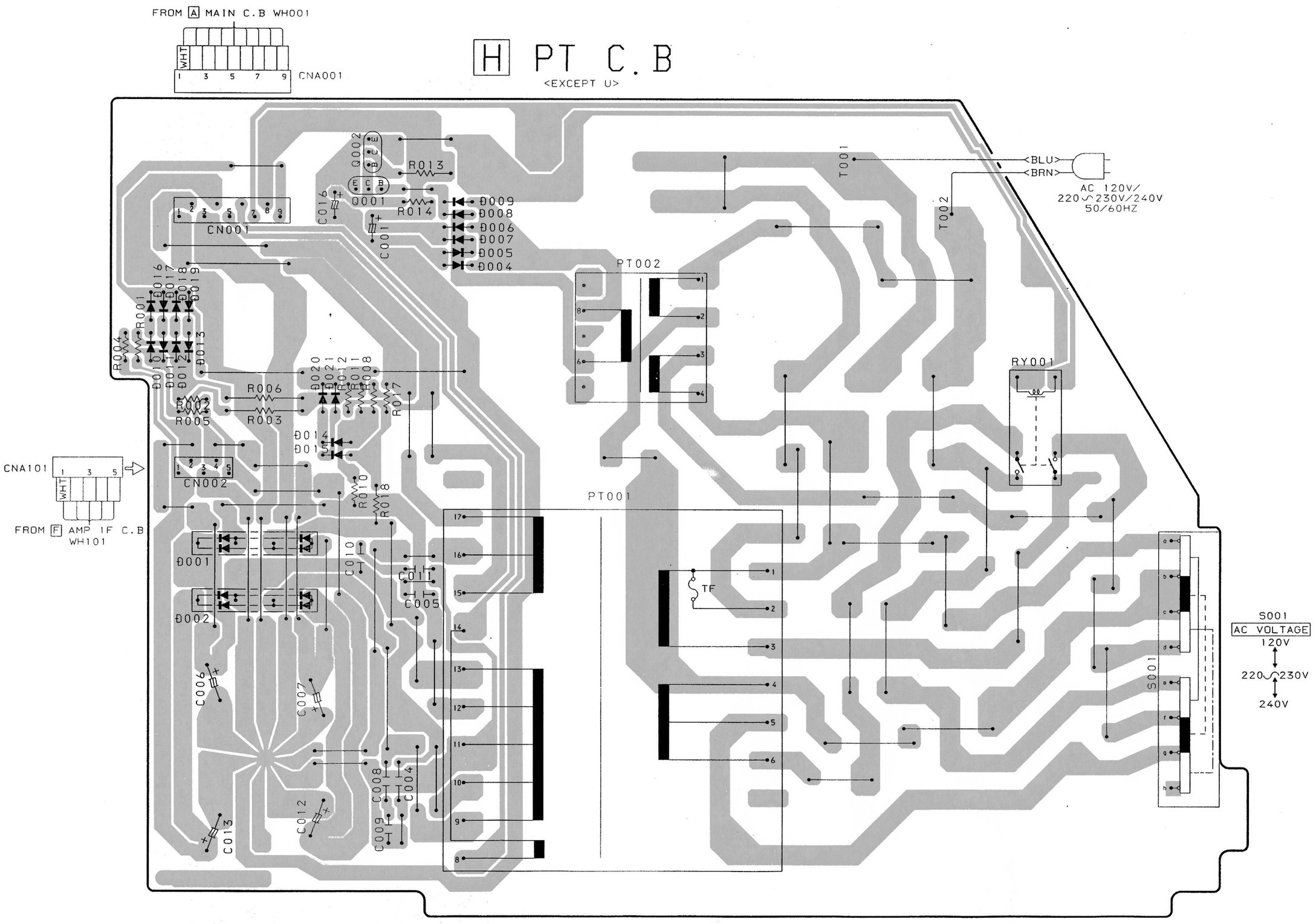

IMP:8Ω
SATELLITE SPEAKERS
J302
R
J301
L
FROM F AMP 1F C.B CNA102
CNA102
RED
TO CN103
FROM A MAIN C.B CNA101
CNA101
FROM E AMP 1F C.B CN106
FC106
CN101
CN102
CN103
IC201
IC202
Q316
Q314
Q315
Q313
Q312
Q311
Q310
Q309
Q308
Q307
Q306
Q305
Q304
Q303
Q302
Q301
Q321
Q320
Q319
Q318
D322
D323
D324
D319
D318
D317
D314
D313
D312
D311
D310
D309
D308
D307
D306
D305
D304
D303
D302
D301
D201


G AMP SATE C.B
FROM A MAIN C.B (1/3) (AMP SECTION) CNA101
CN103
SATELLITE MUTE SW
Q321 2SA1235F
R361 12k
R362 1M
R363 68k
Q303, 305, 307, 311, 313, 315
SATELLITE AMP L-CH
R376 4.7k
R375 4.7k
D324 1SS133
D323 1SS133
D303 1SS133
R321 680
R329 680
Q313 2SD2061 F
+VL
VCC
C233 47/10
C227 3300p
R233 8.2k
R231 15k
C239 0.1/50
C237 2700p
C235 0.1/50
R229 100
R227 100
R225 100
R223 100
C231 0.22
C229 820p
C225 0.1
IC201 M65849 BFP631D
DELAY IC
IMVOL MIC IN VDD L-IN R-IN DBLY L-OUT R-OUT VREF MIC OUT IFVOL LPF2 0 LPF2 I2 LPF2 I1 BAO BAI
CKCNT TEST1 CLK LATCH BATA ABCNT BACNT VCC DBLYS DTEST LPF1 I1 LPF1 I2 LPF1 0 ABI ABO GNB
R211 22k
R213 2.2k
R215 10k
R217 10k
R219 10k
C217 0.22
C219 3300p
C221 820p
C223 0.1
C222 C223 C215 0.1
R201 220
R202 220
R203 220
D201 UZ5.6 B5A
C201 100/10
R301 2.7k
R303 1k
Q301 CSD1306 E
R305 47k
C301 1000p
R307 22k
C303 0.1/50
R309 100
Q303 2SA 1235 F
R315 10k
Q307 2SA 1235 F
C311 47/25
D305 1SS133
D313 1SS133
R337 100
C317 0.01
R339 2.2k
Q317 CMBT5401
R345 10k
R323 22k
D311 1SS133
R381 1.2
R383 1.2
R341 1.5K
R345 1k
R331 15
Q315 2SB1370 F
C315 100p
Q311 CC5551
R325 47k
R327 27
C309 1/50
Q305 2SC 3052 F
R317 56
R319 150
D321 1SS133
D301 1SS133
-VL
L-CH
R349 10
L301 1μH
R351 5.6k
C321 0.01
C319 0.1
R353 10
C323 0.1
J301 SATELLITE SPEAKERS L IMP:8Ω
SATELLITE MUTE SW
FROM E AMP IF C.B CN104
(FC106)
CN101
FAN
DC-DET
HOLD
VCC
HF (L)
A-GND
HF (R)
HOLD
C401 0.1
R357 10k
C325 4700p
R358 10k
R356 47k
Q320 2SA1235 F
R359 10k
D317 MC2838
D318 MC2838
R360 4.7k
D319 MC2840
R365 22k
R366 22k
D304 1SS133
R322 680
R330 680
Q314 2SD2061 F
D306 1SS133
R338 100
C318 0.01
D314 1SS133
R340 2.2k
Q318 CMBT5401
R346 10k
C312 47/25
D312 1SS133
R382 1.2
R384 1.2
R342 1.5K
R344 1k
R324 22k
R332 15
Q316 2SB1370 F
C316 100p
Q312 CC5551
R326 47k
R328 27
C310 1/50
Q306 2SC 3052 F
R318 56
R320 150
D322 1SS133
D302 1SS133
R342 LH. HA:1.5K U:1.2K
R350 10
L302 1μH
R352 5.6k
C322 0.01
C320 0.1
R354 10
C324 0.1
J302 SATELLITE SPEAKERS R IMP:8Ω
R234 8.2k
R232 15k
C240 0.1/50
C238 2700p
C236 0.1/50
R230 100
R228 100
R226 100
R224 100
C232 0.22
C230 820p
C228 3300p
C226 0.1
IC202 M65849 BFP 631D
DELAY IC
R212 22k
R214 2.2k
R216 10k
R218 10k
R220 10k
C218 0.22
C220 3300p
C222 820p
C224 0.1
C216 0.1
C212 0.22
C214 0.22
R302 2.7k
R304 1k
Q302 CSD1306 E
R306 47k
C302 1000p
R308 22k
C304 0.1/50
R310 100
Q304 2SA 1235 F
R316 10k
Q308 2SA 1235 F
R314 820
Q306 2SC 3052 F
R318 56
R320 150
D322 1SS133
C402 0.1
Q304, 306, 308, 312, 314, 316
SATELLITE AMP R-CH
Q317~320
OVER CURRENT DET
Q319 CMBT5551
R355 10k
C403 10/50
C404 10/50
+VL
-VL
SIGNAL:
:PB
FROM E AMP IF C.B CNA102
CN102
+VL
SP-GND
-VL

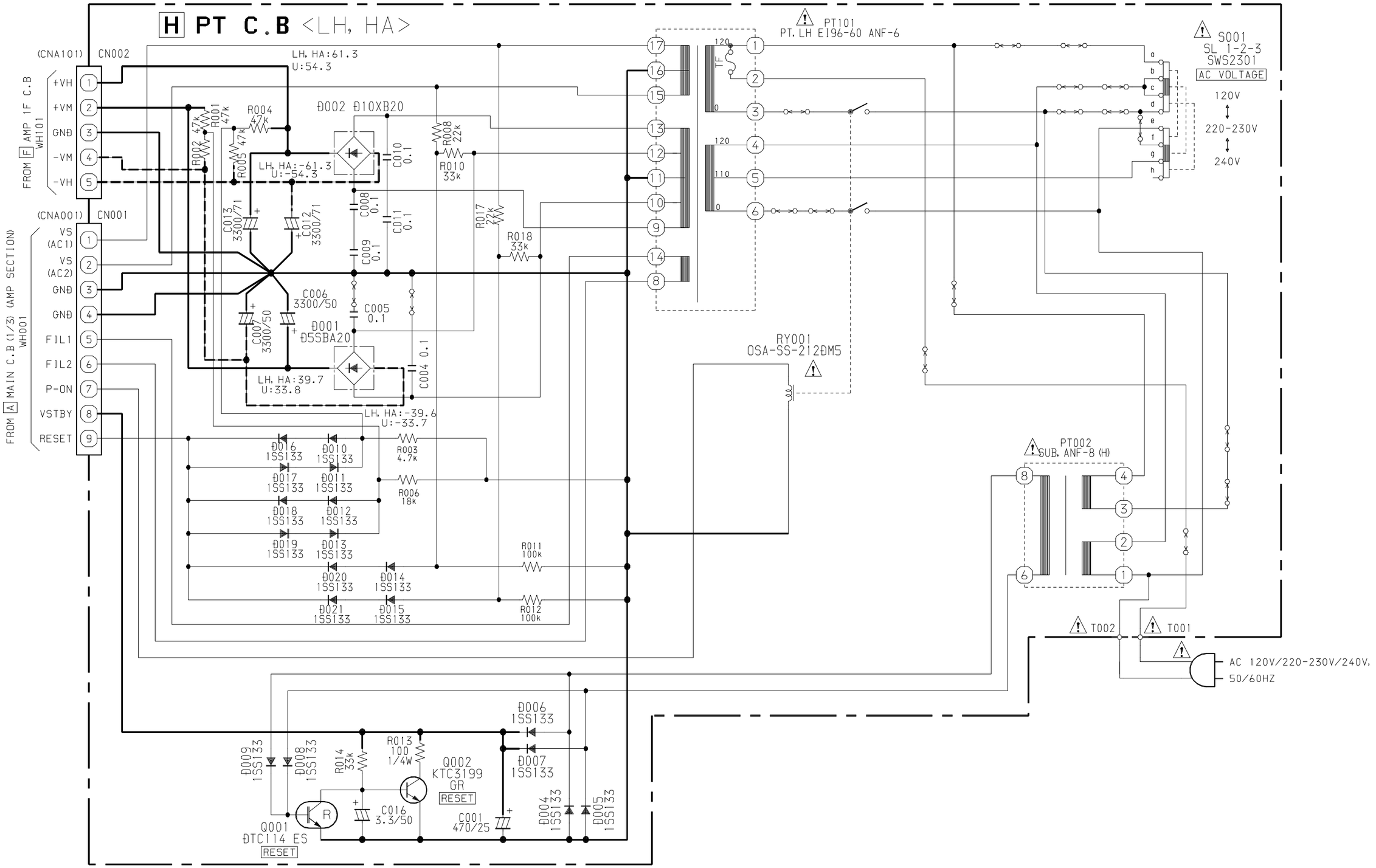

H PT C.B
<U>
FROM A MAIN C.B WH001
WHT
1 3 5 7 9
CNA001
CNA101
1 3 5
WHT
FROM F AMP 1F C.B
WH101
CN001
CN002
1 2 3 5 7 8 9
1 2 3 4 5
Q002
Q001
B C E
E C B
R013
R014
C016
C001
RY002
T001
T002
BLK
WHT
AC 120V/
60HZ
R099
PT002
PT001
TF
Đ009
Đ008
Đ006
Đ007
Đ005
Đ004
Đ016
Đ017
Đ018
Đ019
Đ013
R004
R001
Đ010
Đ011
Đ012
R006
R002
R003
R005
Đ020
Đ021
Đ022
Đ023
R017
Đ014
Đ015
R010
R018
Đ001
Đ002
C010
C011
C005
C006
C007
C008
C004
C009
C012
C013
17
16
15
14
13
12
11
10
9
8
1
2
5

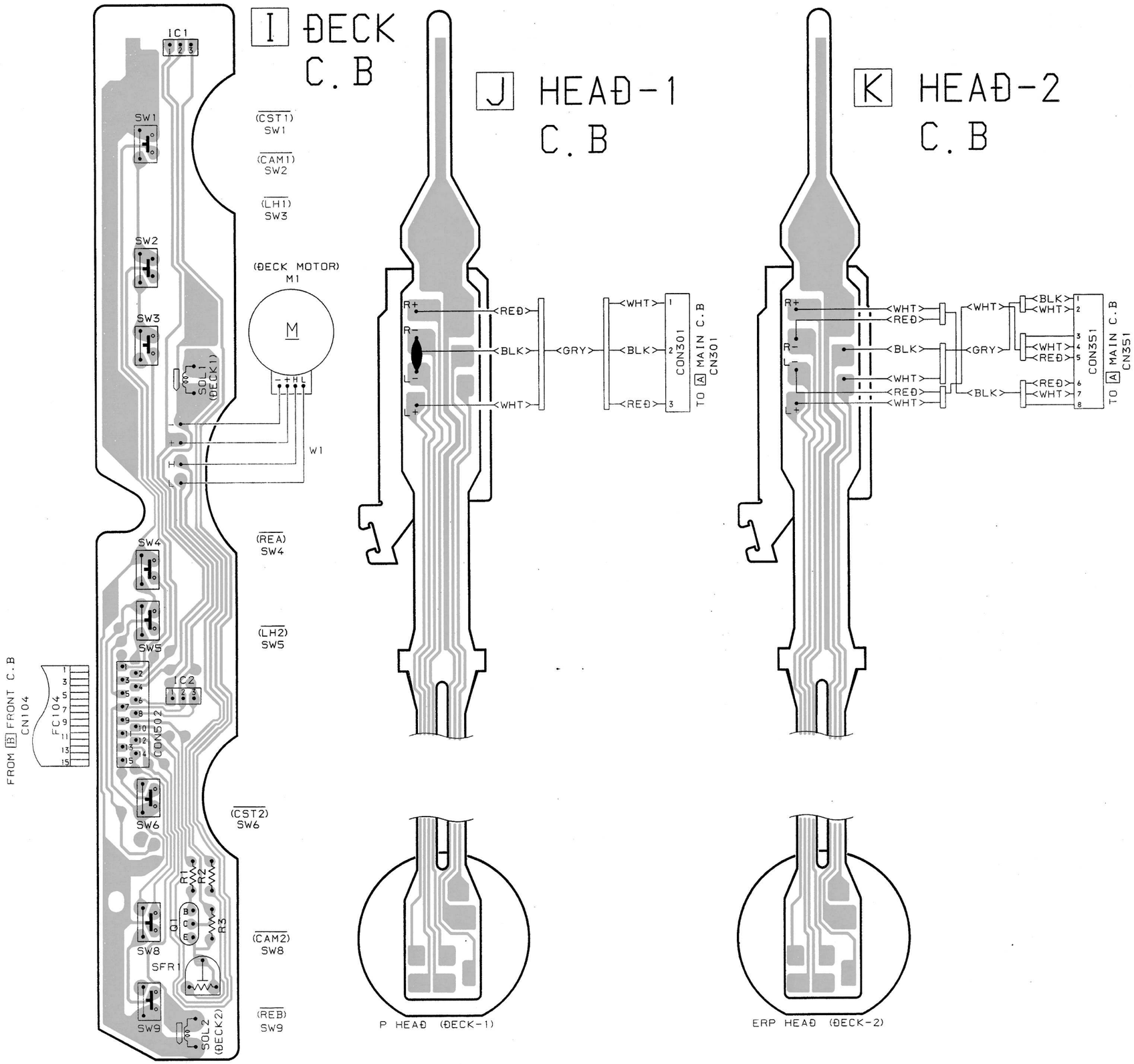
SCHEMATIC DIAGRAM – 7 (PT: U)



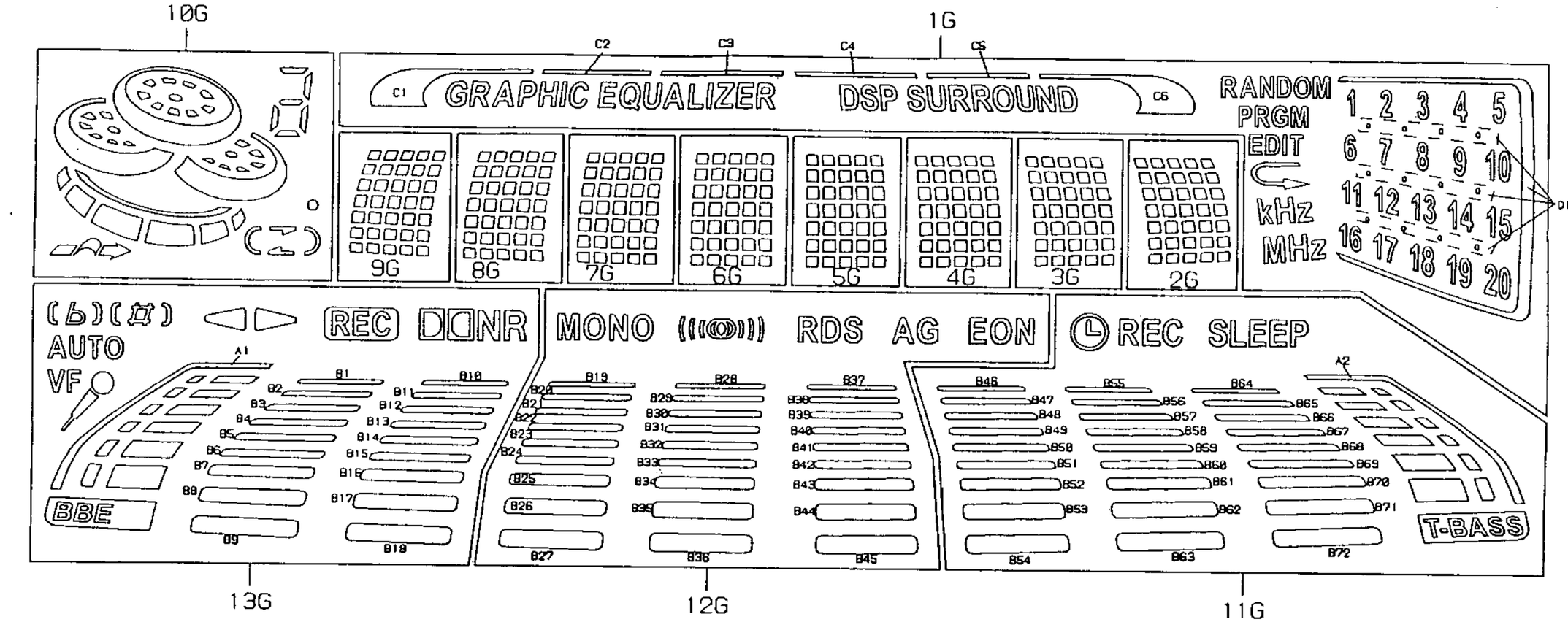

FROM A MAIN C.B WH001
WHT
1 3 5 7 9
CNA001
H PT C.B
<EXCEPT U>
CN001
Q002
Q001
C016
C001
R013
R014
D009
D008
D006
D007
D005
D004
T001
T002
<BLU>
<BRN>
AC 120V/
220~230V/240V
50/60HZ
PT002
RY001
R004
R001
D016
D017
D018
D019
D013
D012
D011
D010
R006
R005
R003
R002
D020
D021
R012
R008
R017
D014
D015
CN002
R010
R018
CNA101
FROM F AMP IF C.B
WH101
D001
D002
C010
C011
C005
PT001
TF
C006
C007
C008
C004
C009
C012
C013
S001
AC VOLTAGE
120V
220~230V
240V

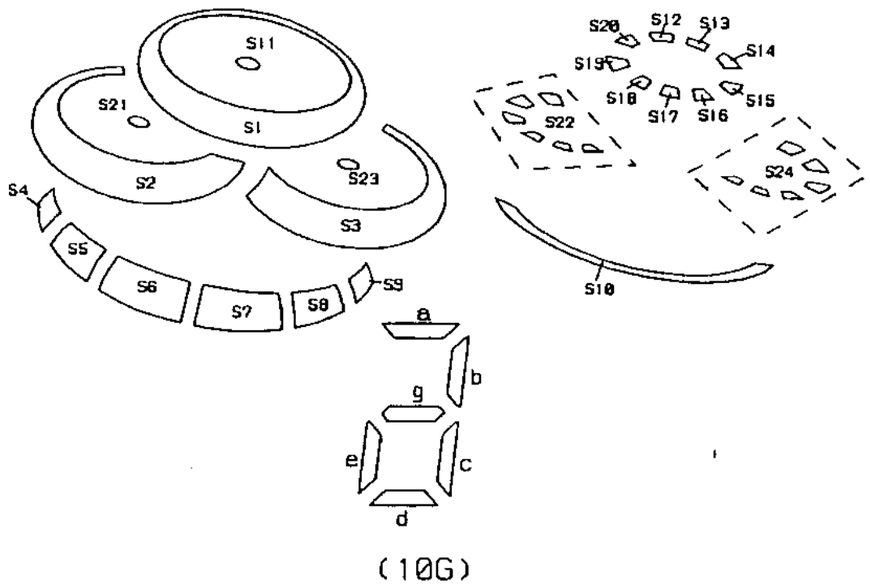
SCHEMATIC DIAGRAM – 8 (PT: LH, HA)



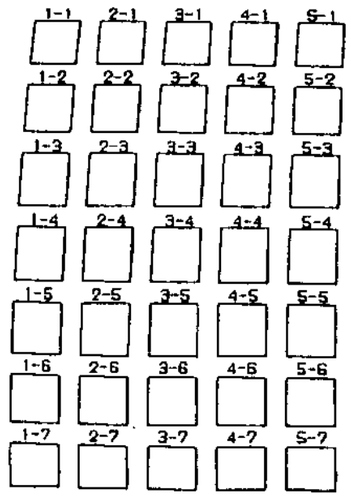

I DECK C.B
J HEAD-1 C.B
K HEAD-2 C.B
IC1
SW1
SW2
SW3
(CST1) SW1
(CAM1) SW2
(LH1) SW3
(DECK MOTOR) M1
M
SOL1 (DECK1)
W1
SW4
SW5
SW6
SW8
SW9
(REA) SW4
(LH2) SW5
(CST2) SW6
(CAM2) SW8
(REB) SW9
IC2
CON502
FC104
FROM B FRONT C.B CN104
R1
R2
R3
Q1
SFR1
SOL2 (DECK2)
R+
R-
L-
L+
RED
BLK
WHT
GRY
CON301
TO A MAIN C.B CN301
CON351
TO A MAIN C.B CN351
P HEAD (DECK-1)
ERP HEAD (DECK-2)

GRID ASSIGNMENT

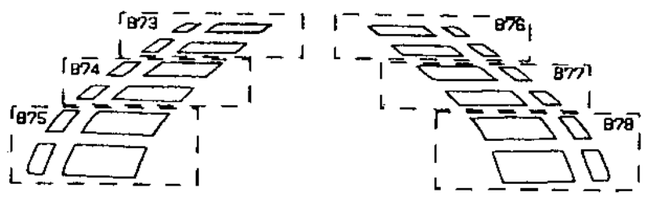



(10G)




(2G~9G)



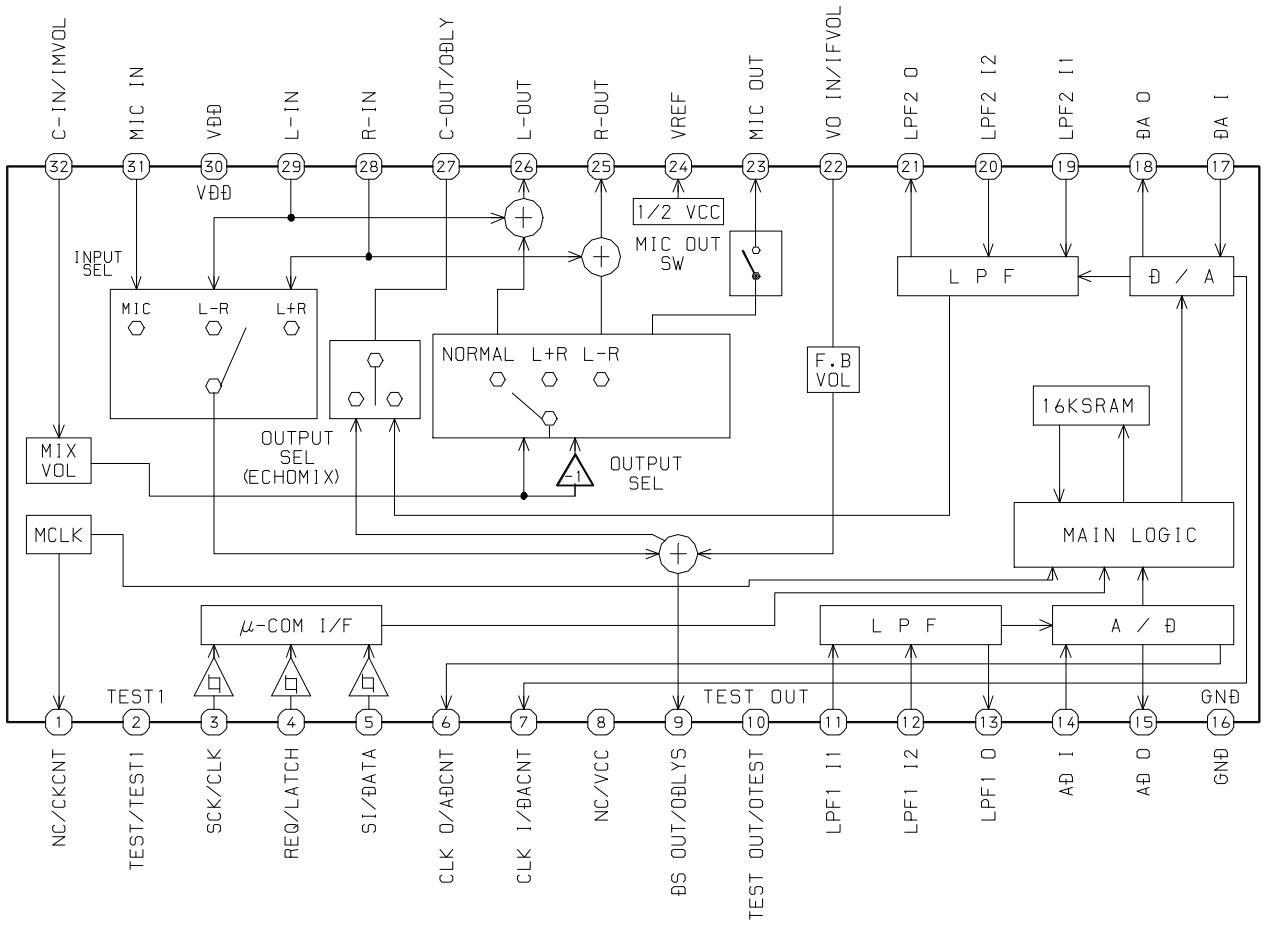

(13G) (11G)

ANODE CONNECTION

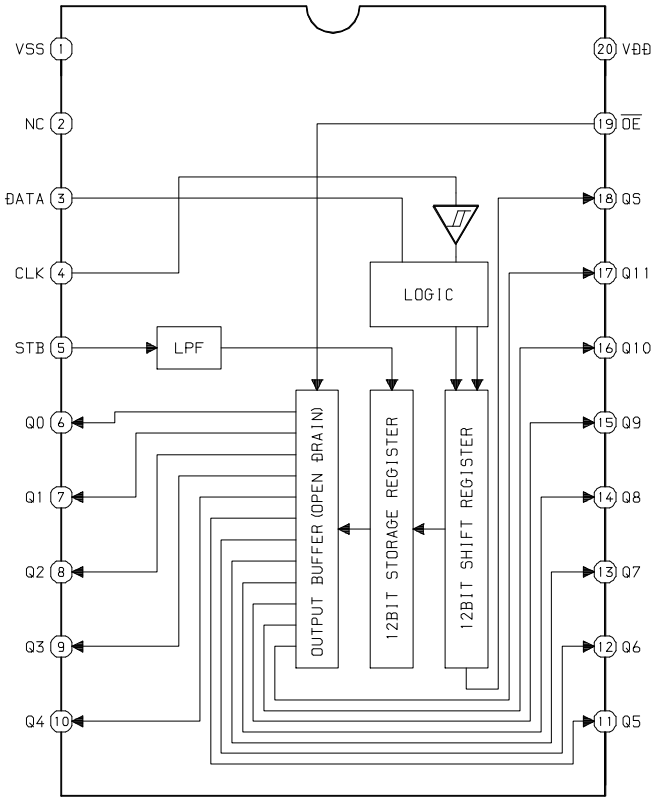
| | 13G | 12G | 11G | 10G | 9G | 8G | 7G | 6G | 5G | 4G | 3G | 2G | 1G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P1 | ♭ ♯ | B27 | B54 | b | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | 1-1 | DSP SURROUND |
| P2 | ((♭)) | B36 | B63 | c | 2-1 | 2-1 | 2-1 | 2-1 | 2-1 | 2-1 | 2-1 | 2-1 | GRAPHIC EQUALIZER |
| P3 | ((♯)) | B45 | B72 | a,d,g | 3-1 | 3-1 | 3-1 | 3-1 | 3-1 | 3-1 | 3-1 | 3-1 | C6 |
| P4 | ◁ | B26 | B53 | e | 4-1 | 4-1 | 4-1 | 4-1 | 4-1 | 4-1 | 4-1 | 4-1 | C5 |
| P5 | ▷ | B35 | B62 | S1 | 5-1 | 5-1 | 5-1 | 5-1 | 5-1 | 5-1 | 5-1 | 5-1 | C4 |
| P6 | REC | B44 | B71 | S12 | 1-2 | 1-2 | 1-2 | 1-2 | 1-2 | 1-2 | 1-2 | 1-2 | C3 |
| P7 | DX NR | B25 | B52 | S13 | 2-2 | 2-2 | 2-2 | 2-2 | 2-2 | 2-2 | 2-2 | 2-2 | C2 |
| P8 | AUTO | B34 | B61 | S20 | 3-2 | 3-2 | 3-2 | 3-2 | 3-2 | 3-2 | 3-2 | 3-2 | C1 |
| P9 | VF | B43 | B70 | S14 | 4-2 | 4-2 | 4-2 | 4-2 | 4-2 | 4-2 | 4-2 | 4-2 | RANDOM |
| P10 | A1 | B24 | B51 | S11 | 5-2 | 5-2 | 5-2 | 5-2 | 5-2 | 5-2 | 5-2 | 5-2 | PRGM |
| P11 | BBE | B33 | B60 | S19 | 1-3 | 1-3 | 1-3 | 1-3 | 1-3 | 1-3 | 1-3 | 1-3 | EDIT |
| P12 | B75 | B42 | B69 | S15 | 2-3 | 2-3 | 2-3 | 2-3 | 2-3 | 2-3 | 2-3 | 2-3 | ↩ |
| P13 | B74 | B23 | B50 | S18 | 3-3 | 3-3 | 3-3 | 3-3 | 3-3 | 3-3 | 3-3 | 3-3 | kHz |
| P14 | B73 | B32 | B59 | S16 | 4-3 | 4-3 | 4-3 | 4-3 | 4-3 | 4-3 | 4-3 | 4-3 | MHz |
| P15 | B9 | B41 | B68 | S17 | 5-3 | 5-3 | 5-3 | 5-3 | 5-3 | 5-3 | 5-3 | 5-3 | 16 |
| P16 | B18 | B22 | B49 | S3 | 1-4 | 1-4 | 1-4 | 1-4 | 1-4 | 1-4 | 1-4 | 1-4 | 11 |
| P17 | B8 | B31 | B58 | S24 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 2-4 | 6 |
| P18 | B17 | B40 | B67 | S23 | 3-4 | 3-4 | 3-4 | 3-4 | 3-4 | 3-4 | 3-4 | 3-4 | 1 |
| P19 | B7 | B21 | B48 | S2 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 4-4 | 17 |
| P20 | B16 | B30 | B57 | S22 | 5-4 | 5-4 | 5-4 | 5-4 | 5-4 | 5-4 | 5-4 | 5-4 | 12 |
| P21 | B6 | B39 | B66 | S21 | 1-5 | 1-5 | 1-5 | 1-5 | 1-5 | 1-5 | 1-5 | 1-5 | 7 |
| P22 | B15 | B20 | B47 | S10 | 2-5 | 2-5 | 2-5 | 2-5 | 2-5 | 2-5 | 2-5 | 2-5 | 2 |
| P23 | B5 | B29 | B56 | S9 | 3-5 | 3-5 | 3-5 | 3-5 | 3-5 | 3-5 | 3-5 | 3-5 | 18 |
| P24 | B14 | B38 | B65 | S8 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | 4-5 | 13 |
| P25 | B4 | B19 | B46 | S7 | 5-5 | 5-5 | 5-5 | 5-5 | 5-5 | 5-5 | 5-5 | 5-5 | 8 |
| P26 | B13 | B28 | B55 | S6 | 1-6 | 1-6 | 1-6 | 1-6 | 1-6 | 1-6 | 1-6 | 1-6 | 3 |
| P27 | B3 | B37 | B64 | S5 | 2-6 | 2-6 | 2-6 | 2-6 | 2-6 | 2-6 | 2-6 | 2-6 | 19 |
| P28 | B12 | MONO | T-BASS | S4 | 3-6 | 3-6 | 3-6 | 3-6 | 3-6 | 3-6 | 3-6 | 3-6 | 14 |
| P29 | B2 | ((◉)) | A2 | ◯ | 4-6 | 4-6 | 4-6 | 4-6 | 4-6 | 4-6 | 4-6 | 4-6 | 9 |
| P30 | B11 | RDS | B78 | ⇝ | 5-6 | 5-6 | 5-6 | 5-6 | 5-6 | 5-6 | 5-6 | 5-6 | 4 |
| P31 | B1 | AG | B77 | ☾ | 1-7 | 1-7 | 1-7 | 1-7 | 1-7 | 1-7 | 1-7 | 1-7 | 20 |
| P32 | B10 | EON | B76 | ⇄ | 2-7 | 2-7 | 2-7 | 2-7 | 2-7 | 2-7 | 2-7 | 2-7 | 15 |
| P33 | - | - | SLEEP | ☽ | 3-7 | 3-7 | 3-7 | 3-7 | 3-7 | 3-7 | 3-7 | 3-7 | 10 |
| P34 | - | - | REC | - | 4-7 | 4-7 | 4-7 | 4-7 | 4-7 | 4-7 | 4-7 | 4-7 | 5 |
| P35 | - | - | ◷ | - | 5-7 | 5-7 | 5-7 | 5-7 | 5-7 | 5-7 | 5-7 | 5-7 | D1 |

# IC BLOCK DIAGRAM

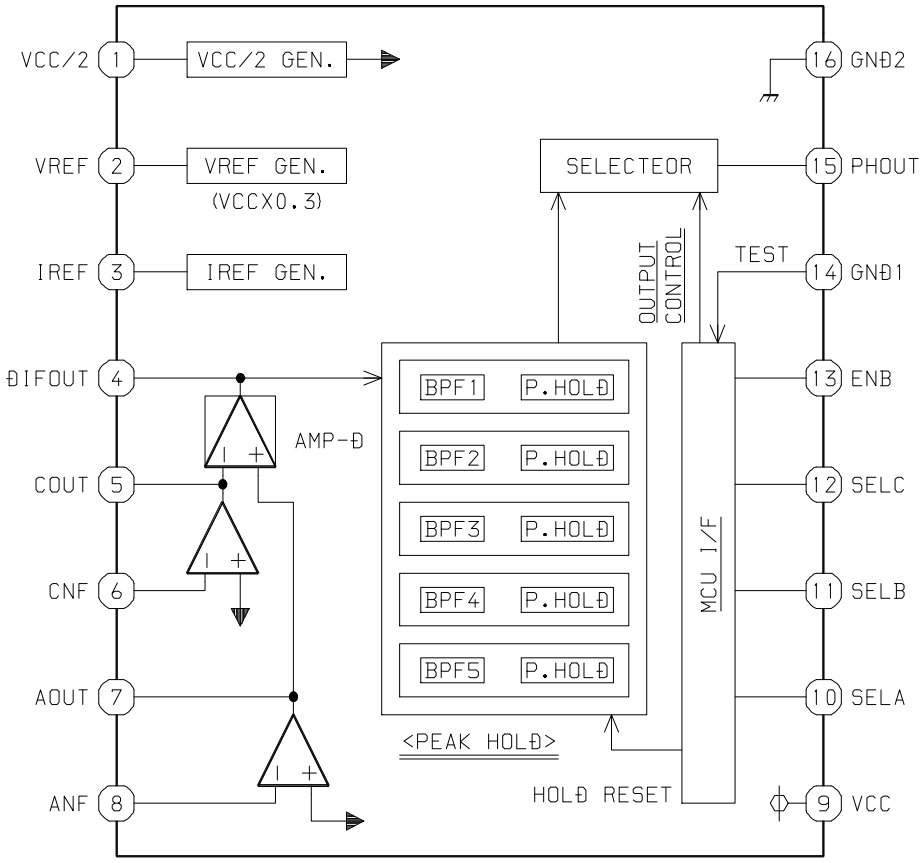
## IC, M65849BFP631D



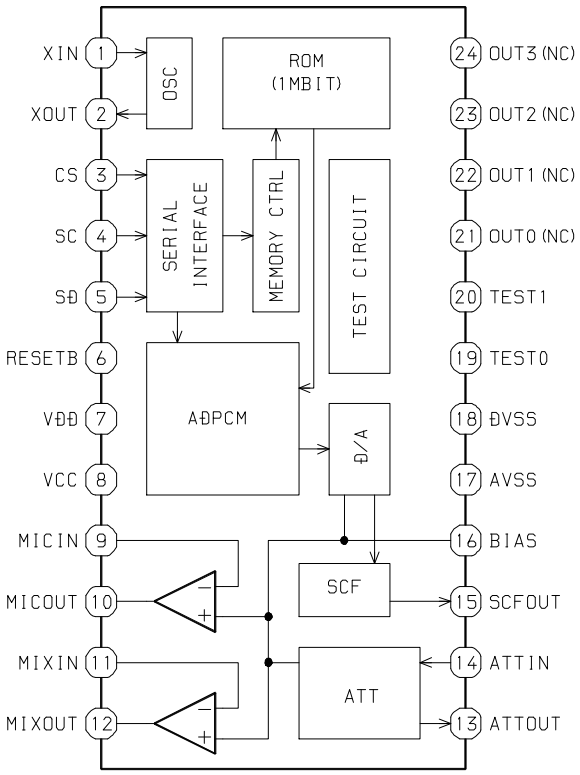

## IC, BU2099FV



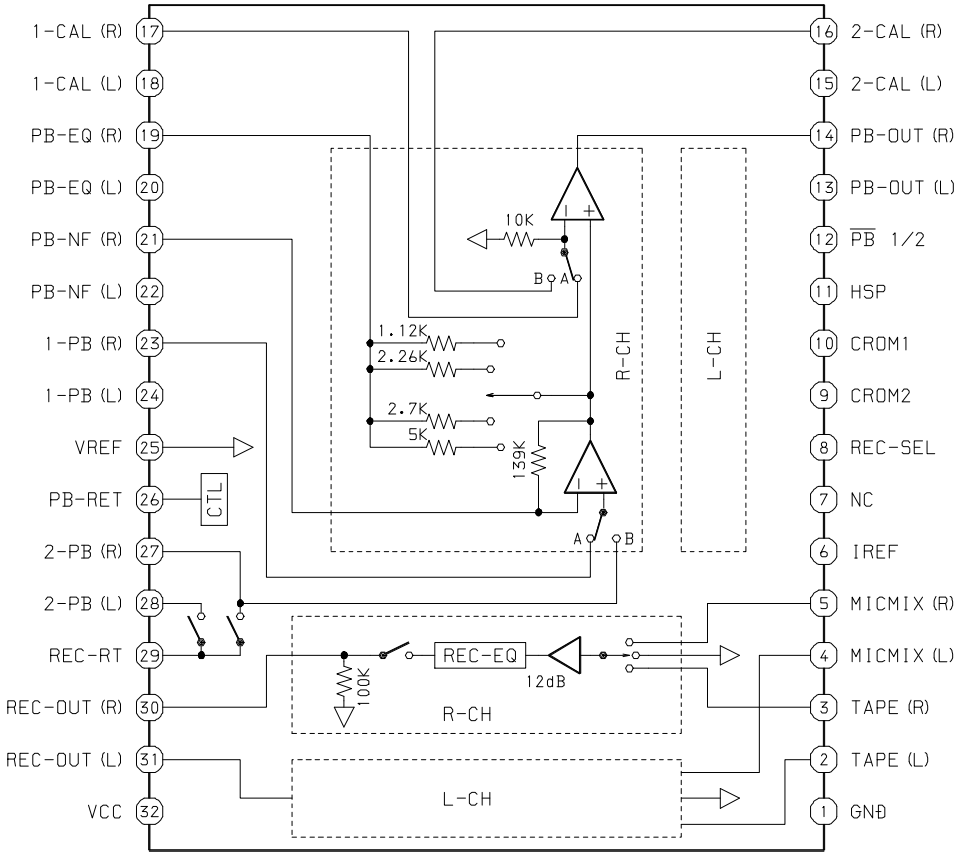
IC, M61506FP



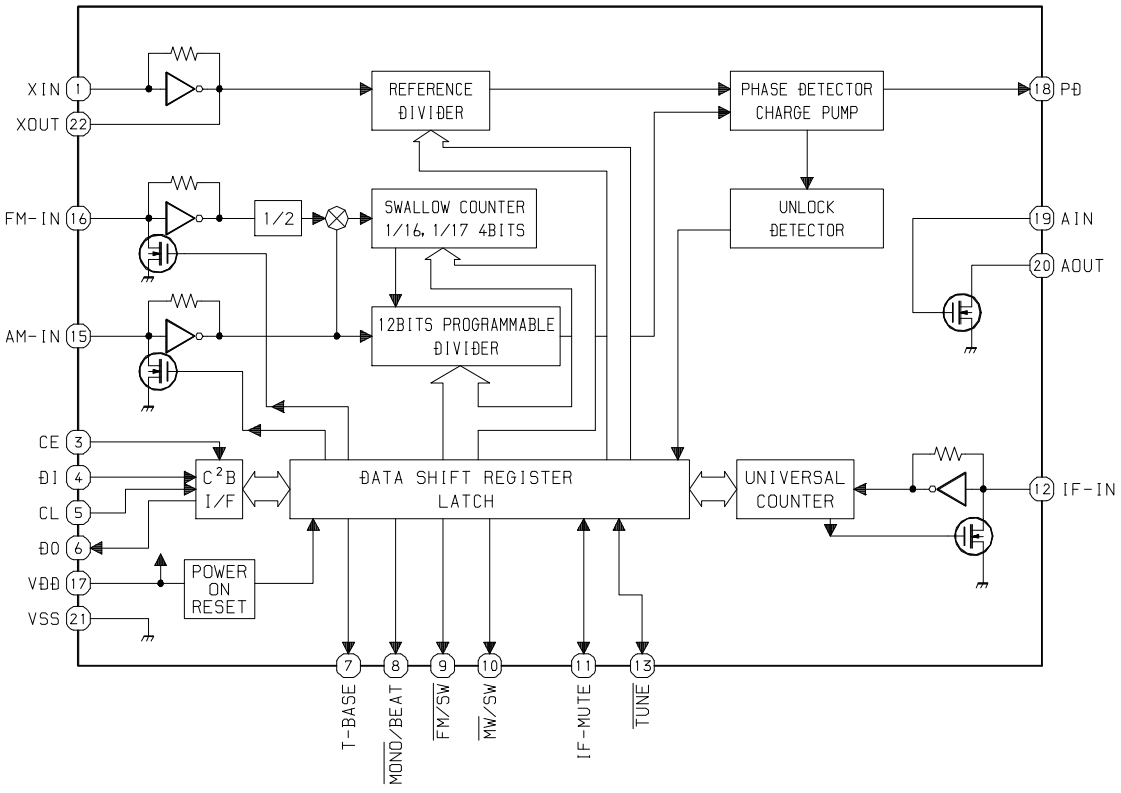

IC, BU9990-03FS



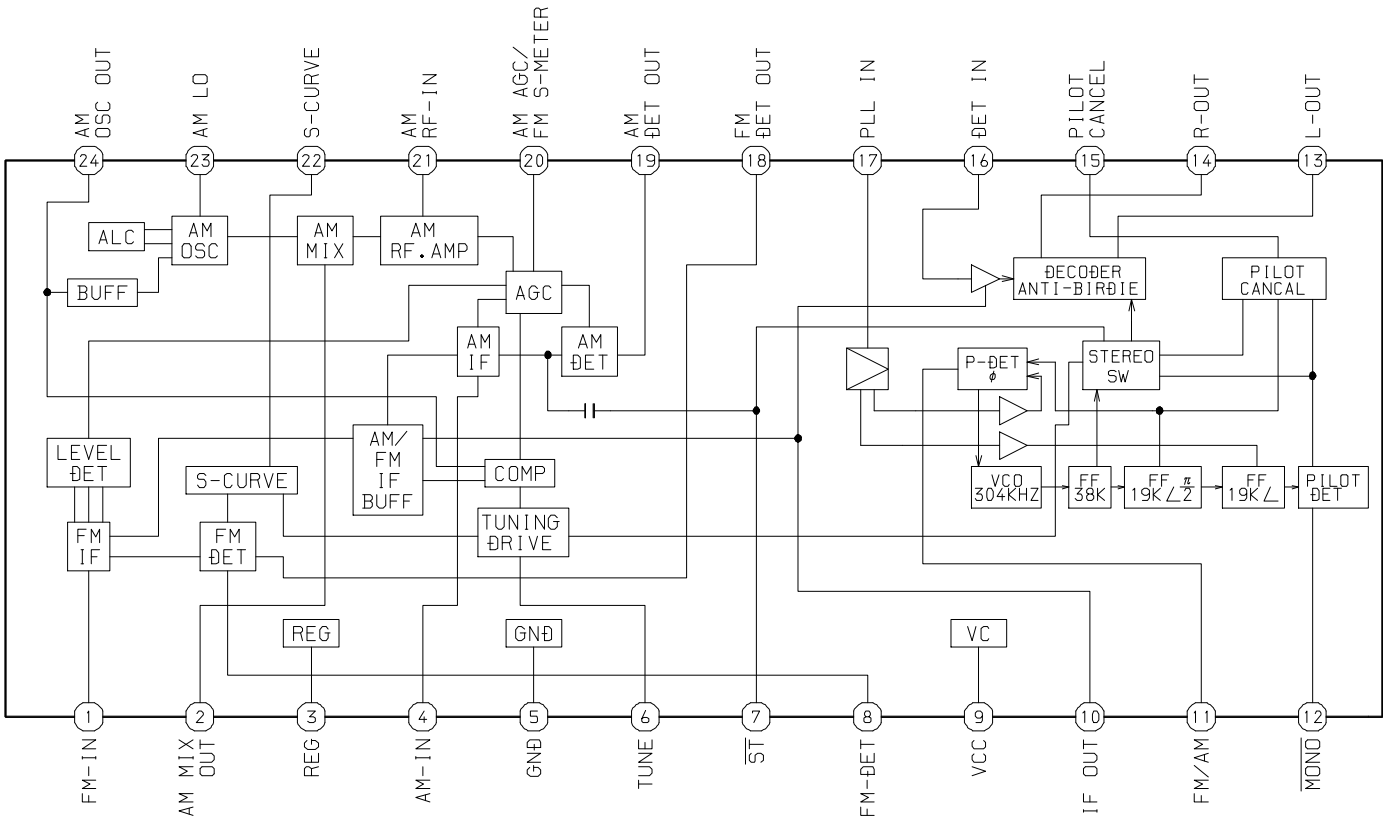
IC, BA7762AFS



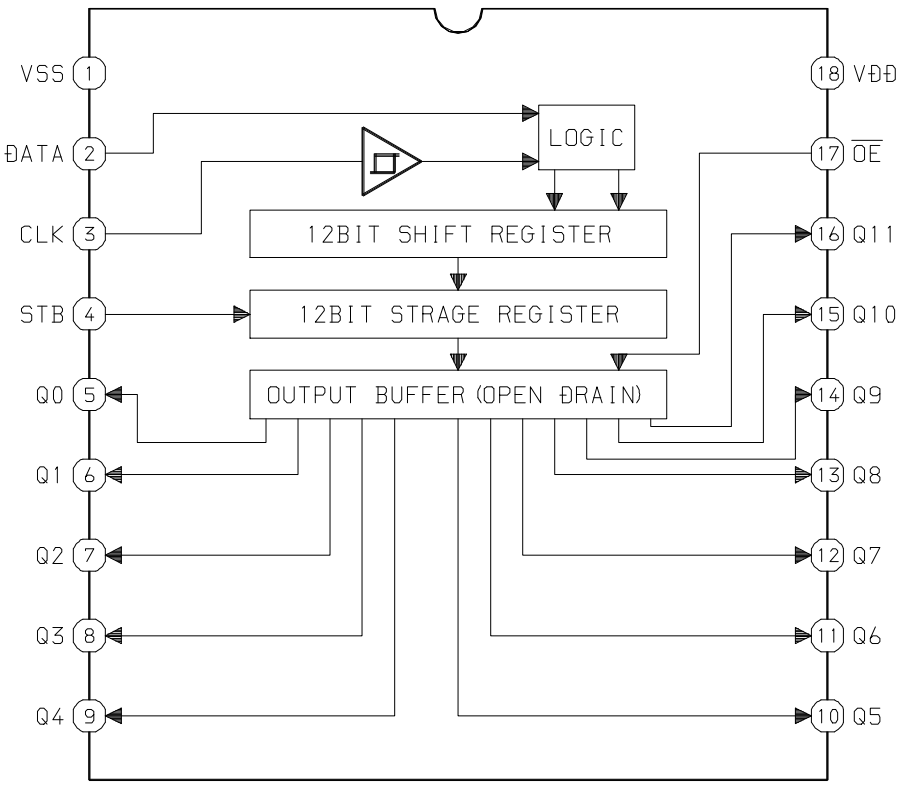

IC, LC72131D



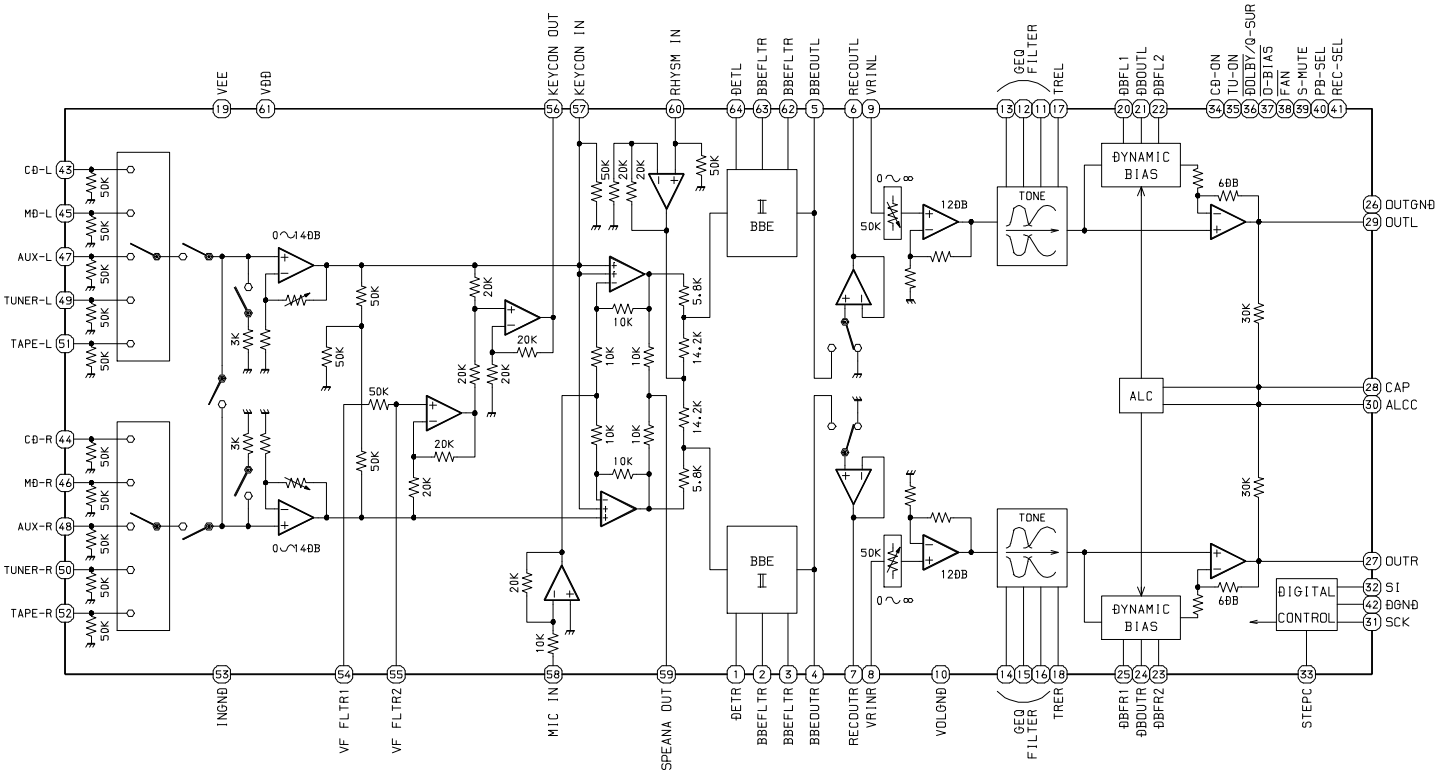
IC, LA1843




IC, BU2092F



IC, BD3876KS2

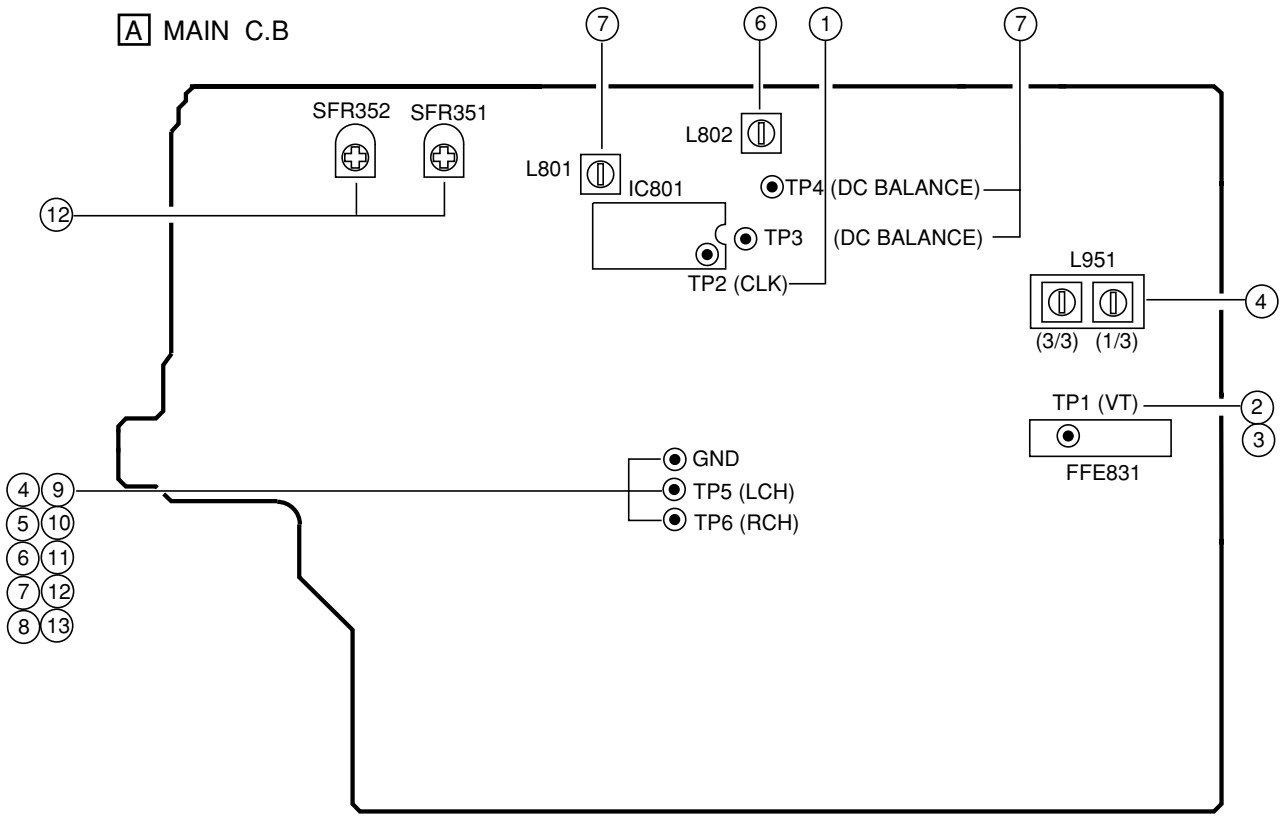


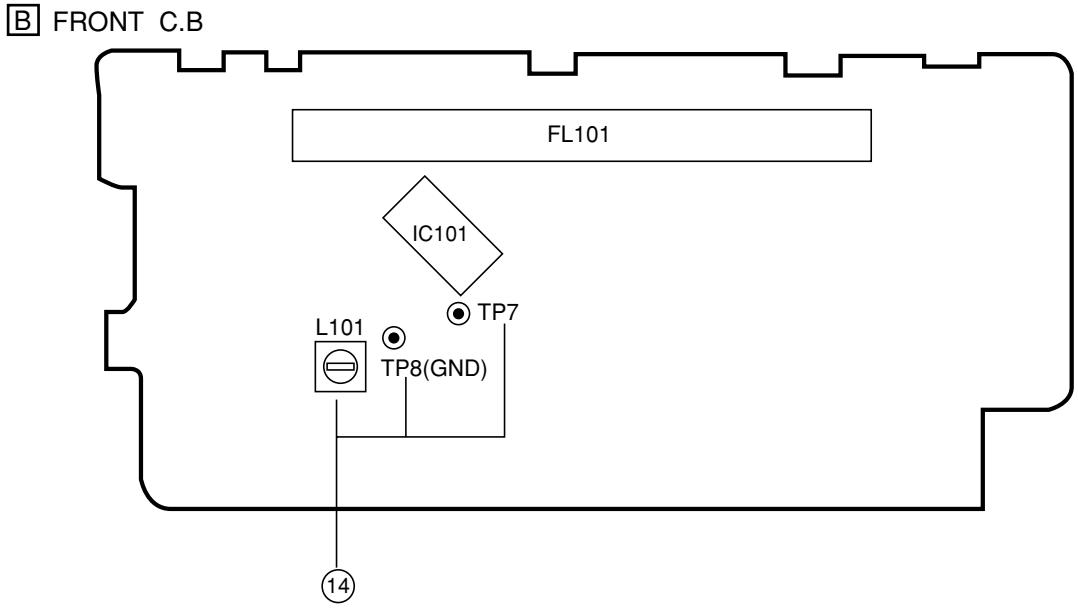
## IC DESCRIPTION

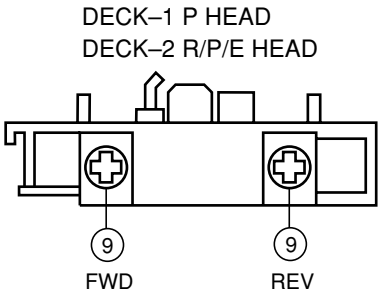
IC, LC87654V-5P35

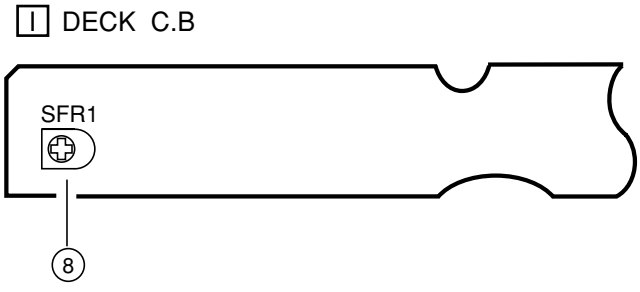
| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 | O-CLK | O | CLOCK output for FRONT and MAIN C.B. |
| 2 | O-DATA | O | DATA output for FRONT and MAIN C.B. |
| 3 | O-STB(M) | O | Strobe output for MAIN C.B. |
| 4 | O-POWER | O | System power ON/OFF output. |
| 5 | O-STB(SHIFT) | O | Strobe output for shift register. |
| 6 | O-$\overline{\text{RYM-CS}}$ | O | Chip select output for RHYTHM IC. |
| 7 | O-PLL-CE | O | Chip enable output for PLL. |
| 8 | I-STEREO | I | Stereo detect input. |
| 9 | O-$\overline{\text{CLK SHIFT}}$ | O | Tuner clock shift output (active L). |
| 10 | I-$\overline{\text{HP-MUTE}}$ | I | Head phones connect detect input. |
| 11 | $\overline{\text{RESET}}$ | I | Reset input for MICON. |
| 12 | I-DISH | I | CD turntable photo sensor input. |
| 13 | I-SPEANA | I | SPEANA level AD input. |
| 14 | VSS1 | – | Connected to GND. |
| 15 | CF1 | – | To oscillator circuit. |
| 16 | CF2 | – | To oscillator circuit. |
| 17 | VDD1 | – | Power supply. |
| 18 | I-HOLD | I | HOLD input . |
| 19 | I-KEY1 | I | Key-1 AD input. |
| 20 | I-KEY2 | I | Key-2 AD input. |
| 21 | I-KEY3 | I | Key-3 AD input. |
| 22 | I-CDSW | I | CD nechanical switch input. |
| 23 | I-RTVR | I | Rotary encoder AD input for VR. |
| 24 | I-JOG | I | Rotary encoder AD input for MULTI JOG. |
| 25 | I-MIC | I | MIC input for AUTO VOCAL FADER. |
| 26 | I-$\overline{\text{MS}}$ | I | DECK MS detect input. |
| 27 | I-TM-BASE | I | Standard time input (8Hz). |
| 28 | I-WRQ | I | CD WRQ input. |
| 29 | I-$\overline{\text{RMC}}$ | I | System remote controller input. |
| 30 ~ 42 | G13 ~ G1 | O | FL grid output (G13 ~ G1). |
| 43 ~ 45 | P35 ~ P33 | O | FL segment output (P35 ~ P33). |
| 46 | VDD3 | – | Power supply. |
| 47 | P32/SPEANA-A | O | FL segment output (P32)/SPEANA band change output (A). |
| 48 | P31/SPEANA-B | O | FL segment output (P31)/SPEANA band change output (B). |
| 49 | P30/SPEANA-C | O | FL segment output (P30)/SPEANA band change output (C). |
| 50 | P29/$\overline{\text{BEAT-M}}$ | O/I | FL segment output (P29)/BEAT MASTER less diode input. |
| 51 | -VP | – | Connected to -VFL . |
| 52 | P28/AM-ST | O/I | FL segment output (P28)/AM-STEREO diode input (Not used). |
| 53 | P27/LW | O/I | FL segment output (P27)/LW diode input (Not used). |
| 54 | P26/SW | O/I | FL segment output (P26)/SW diode input (Not used). |
| 55 | P25/FM1 | O/I | FL segment output (P25)/FM1diode input (Not used). |
| 56 | P24/CASINO DEMO | O/I | FL segment output (P24)/initial CASINO DEMO diode input. |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 57 | P23/$\overline{\text{ECO MODE}}$ | O/I | FL segment output (P23)/Initial ECO MODE less diode input. |
| 58 | P22/$\overline{\text{DSP}}$ | O/I | FL segment output (P22)/DSP less diode input (Not used). |
| 59 | P21/PRO/5.1 | O/I | FL segment output (P21)/PRO-LOGIC 5.1CH diode input (Not used). |
| 60 | P20/KEY-CON | O/I | FL segment output (P20)/KEY CONTROL diode input (Not used). |
| 61 | P19/DOLBY | O/I | FL segment output (P19)/DECK DOLBYdiode input (Not used). |
| 62 | P18/PRO | O/I | FL segment output (P18)/PROLOGIC diode input (Not used). |
| 63 | P17/AM10K | O/I | FL segment output (P17)/AM10 change diode input. |
| 64 | P16/$\overline{\text{CST2}}$ | O/I | FL segment output (P16)/DECK 2 cassette detect SW input. |
| 65 | P15/$\overline{\text{REB}}$ | O/I | FL segment output (P15)/DECK side B record permission SW input. |
| 66 | P14/$\overline{\text{CAM2}}$ | O/I | FL segment output (P14)/DECK 2 CAM SW input. |
| 67 | P13/AUTO1 | O/I | FL segment output (P13)/DECK 1 auto stop input. |
| 68 | P12/AUTO2 | O/I | FL segment output (P12)/DECK 2 auto stop input. |
| 69 | P11/$\overline{\text{CAM1}}$ | O/I | FL segment output (P11)/DECK 1 CAM SW input. |
| 70 | P10/$\overline{\text{CST1}}$ | O/I | FL segment output (P10)/DECK 1 cassette detect SW input. |
| 71 | P9/$\overline{\text{REA}}$ | O/I | FL segment output (P9)/DECK side A record permission SW input. |
| 72 | VDD4 | – | Power supply. |
| 73 | P8 /$\overline{\text{AC DEMO}}$ | O/I | FL segment output (P8)/DEMO less (on the shop) diode input (Not used). |
| 74~80 | P7~P1 | O | FL segment output (P7~P1). |
| 81 | NC | – | Not connected. |
| 82 | O-TRAY CLOSE | O | CD tray close output. |
| 83 | O-TRAY-OPEN | O | CD tray open output. |
| 84 | I-SUBQ | I | CD SUBQ detect input. |
| 85 | O-DISH-FWD | O | CD turntable forward revolution output. |
| 86 | O-DISH-REV | O | CD turntable reverse revolution output. |
| 87 | O-DATA | O | CD data output. |
| 88 | $\overline{\text{O-LED-STBY}}$ | O | STBY LED on output (STBY LED on during O-POWER OFF). |
| 89 | VSS2 | – | Connected to GND. |
| 90 | VDD2 | – | Power supply. |
| 91 | $\overline{\text{O-MOTOR}}$ | O | DECK motor output. |
| 92 | O-MUTE | O | System mute ON/OFF output. |
| 93 | O-$\overline{\text{SOL1}}$ | O | DECK 1 plunger $\overline{\text{ON}}$/OFF output. |
| 94 | O-$\overline{\text{SOL2}}$ | O | DECK 2 plunger $\overline{\text{ON}}$/OFF output. |
| 95 | I-DRF | I | CD DRF input. |
| 96 | I-IFC | I | TUNER IFC input. |
| 97 | NC | – | Connected to GND. |
| 98 | O-CD CLK | O | CD CLK output. |
| 99 | O-CD-CE | O | CD CE output. |
| 100 | $\overline{\text{O-KSCAN}}$ | O | Key scan timing output. |


A MAIN C.B
7
6
1
7
SFR352
SFR351
L802
L801
IC801
TP4 (DC BALANCE)
12
TP3
(DC BALANCE)
TP2 (CLK)
L951
4
(3/3)
(1/3)
TP1 (VT)
2
3
FFE831
GND
TP5 (LCH)
TP6 (RCH)
4
9
5
10
6
11
7
12
8
13


B FRONT C.B
FL101
IC101
TP7
L101
TP8(GND)
14


DECK–1 P HEAD
DECK–2 R/P/E HEAD
9
FWD
9
REV


I DECK C.B
SFR1
8

< TUNER SECTION >

1. Clock frequency Check
   Settings : • Test point : TP2
   Method : Set to AM 1710kHz and check that the test point is 2160kHz ± 45Hz.

2. AM VT Check
   Settings : • Test point : TP1 (VT)
   Method : Set to AM 1710kHz, 530kHz and check that the test point is less than 8.5V (1710kHz) and more than 0.6V (530kHz).

3. FM VT Check
   Settings : • Test point : TP1 (VT)
   Method : Set to FM 87.5MHz, 108.0MHz and check that the test point is more than 0.5V (87.5MHz) and less than 8.0V (108.0MHz).

4. AM Tracking Adjustment
   Settings : • Test point : TP5(Lch), TP6(Rch)
   • Adjustment location :
   L951(1/3) ..... 1000kHz
   Method : Set to AM 1000kHz and adjust L951(1/3) to MAX.

5. FM Tracking Check
   Settings : • Test point : TP5(Lch), TP6(Rch)
   Method : Set to FM 98.0MHz and check that the test point is less than 9dBµV.

6. AM IF Adjustment
   Settings : • Test point : TP5(Lch), TP6(Rch)
   • Adjustment location :
   L802 ..... 450kHz

7. DC Balance / Mono Distortion Adjustment
   Settings : • Test point : TP3, TP4 (DC Balance)
   : TP5(Lch), TP6(Rch) (Distortion)
   • Adjustment location : L801
   • Input level : 60dBµV
   Method : Set to FM 98.0MHz and adjust L801 so that the voltage between TP3 and TP4 becomes 0V ± 0.04V.
   Next, check that the distortion is less than 1.3%.

< DECK SECTION >

8. Tape Speed Adjustment (DECK 2)
   Settings : • Test tape : TTA–100
   • Test point : TP5(Lch), TP6(Rch)
   • Adjustment location : SFR1
   Method : Play back the test tape and adjust SFR1 so that the frequency counter reads 3000Hz ± 5Hz and ±45Hz (REV) with respect to forward speed.

9. Head Azimuth Adjustment (DECK 1, DECK 2)
   Settings : • Test tape : TTA–330
   • Test point : TP5(Lch), TP6(Rch)
   • Adjustment location : Head azimuth adjustment screw
   Method : Play back (FWD) the 8kHz signal of the test tape and adjust screw so that the output becomes maximum. Next, perform on REV PLAY mode.

10. PB Frequency Response Check (DECK 1, DECK 2)
    Settings : • Test tape : TTA–300
    • Test point :TP5(Lch), TP6(Rch)
    Method : Play back the 315Hz and 10kHz signals of the test tape and check that the output ratio of the 10kHz signal with respect to that of the 315Hz signal is 0dB ± 3dB.

11. PB Sensitivity Check (DECK 1, DECK 2)
    Settings : • Test tape : TTA–200
    • Test point : TP5(Lch), TP6(Rch)
    Method : Play back the test tape and check that the output level of the test point is 400mV ± 3dB.

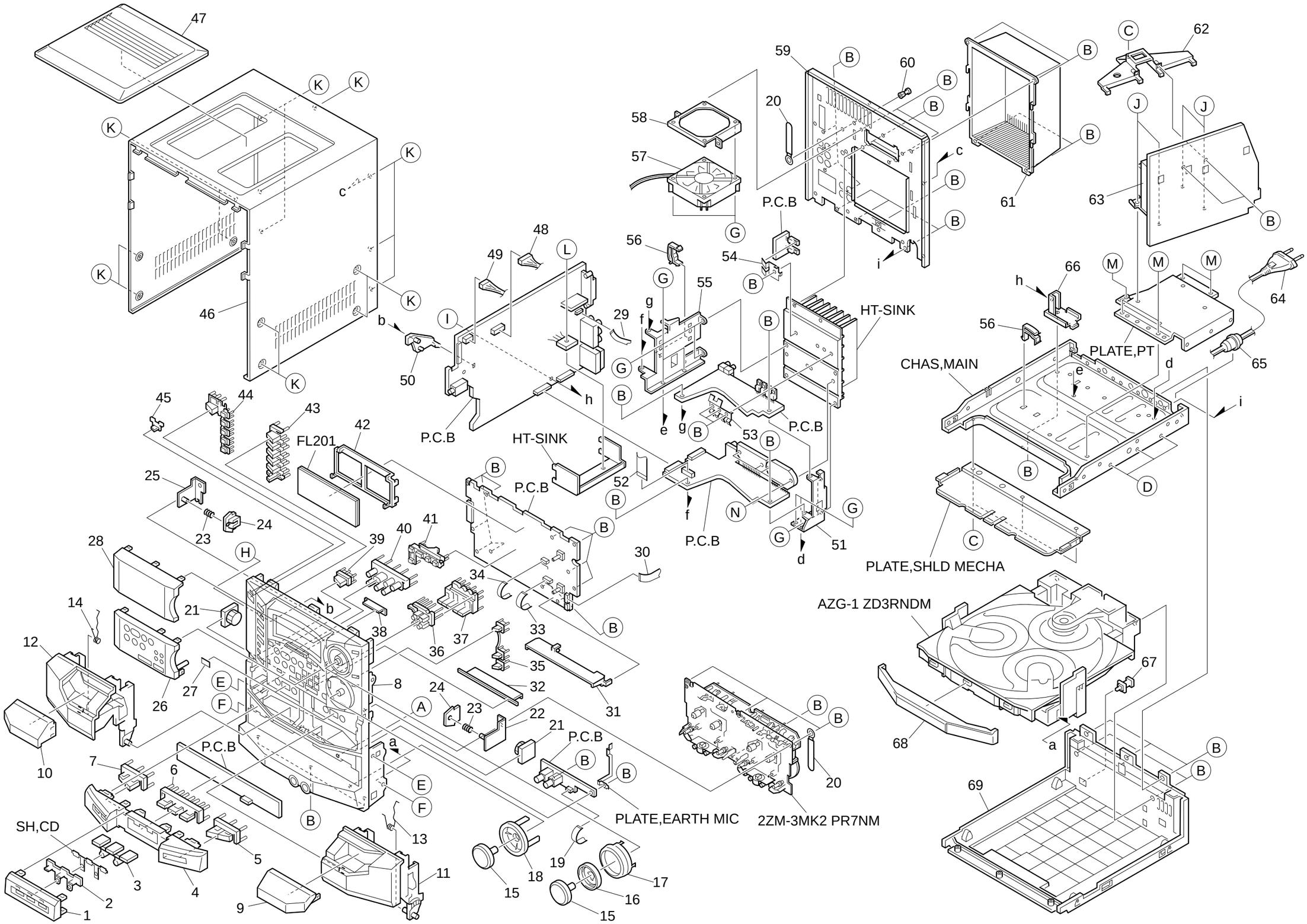
12. REC/PB Frequency Response Adjustment (DECK 2)
    Settings : • Test tape : TTA–602
    • Test point : TP5(Lch), TP6(Rch)
    • Input signal : 1kHz / 10kHz (LINE IN)
    • Adjustment location : SFR351 (Lch)
    SFR352 (Rch)
    Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at the TP5, TP6 becomes 28mV. Record and play back the 1kHz and 10kHz signals and adjust SFRs so that the output of the 10kHz signals becomes 0dB ± 0.5dB with respect to that of the 1kHz signal.

13. REC/PB Sensitivity Check (DECK 2)
    Settings : • Test tape : TTA–602
    • Test point : TP5(Lch), TP6(Rch)
    • Input signal : 1kHz (LINE IN)
    Method : Apply a 1kHz signal and REC mode. Then adjust OSC attenuator so that the output level at TP5, TP6 becomes 280mV. Record and play back the 1kHz signals and check that the output is –1dB ± 3.0dB.

< FRONT SECTION >

14. µ-CON OSC Adjustment
    Settings : • Test point : TP7 and TP8 (GND)
    • Adjustment location : L101
    Method : Insert AC plug while pressing TUNER function key. Adjust L101 so that the frequency at the test point is 208.80Hz ± 0.2Hz.

MECHANICAL EXPLODED VIEW 1 / 1



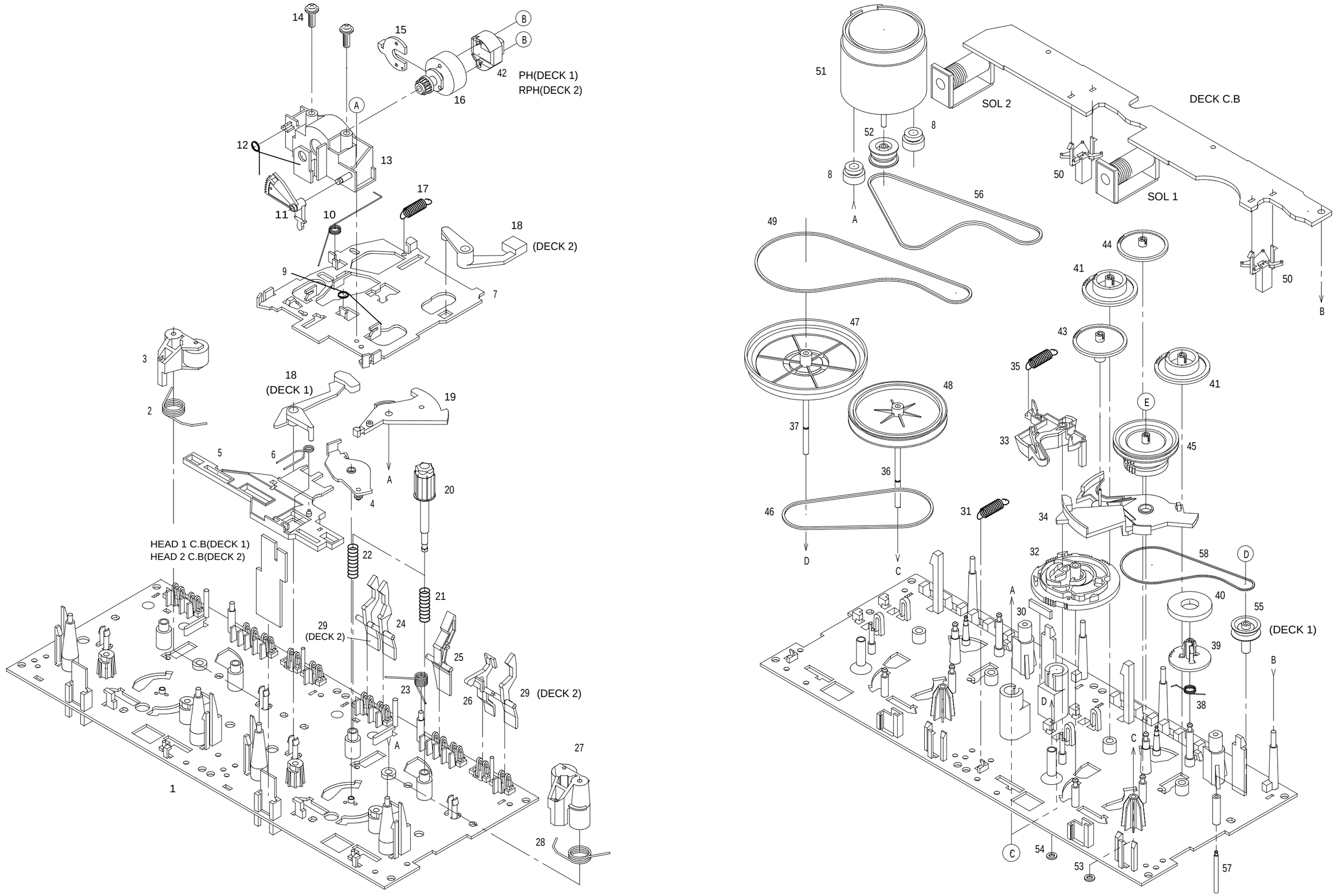
# MECHANICAL PART LIST 1 / 1

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 8A-NF6-010-010 | | PANEL,DIRECT |
| 2 | 8A-NF6-044-010 | | REFLECTOR,CD |
| 3 | 8A-NF6-205-010 | | GUIDE,CD |
| 4 | 8A-NF6-009-010 | | PANEL,CD |
| 5 | 8A-NF6-037-010 | | KEY,CD OPEN |
| 6 | 8A-NF6-035-010 | | KEY,CD DIRECT |
| 7 | 8A-NF6-036-010 | | KEY,CD EDIT |
| 8 | 8A-NF6-002-010 | | CABI,FR H<EXCEPT 80U> |
| 8 | 8A-NF6-001-010 | | CABI,FR U<80U> |
| 9 | 8A-NF6-019-010 | | WINDOW,CASS 2 |
| 10 | 8A-NF6-018-010 | | WINDOW,CASS 1 |
| 11 | 8A-NF6-007-010 | | BOX,CASS 2 |
| 12 | 8A-NF6-006-010 | | BOX,CASS 1 |
| 13 | 82-NF5-219-010 | | SPR-T,EJECT 2 (SIN) |
| 14 | 82-NF5-218-010 | | SPR-T,EJECT 1 (SIN) |
| 15 | 8A-NF6-030-010 | | KNOB,RTRY JOG |
| 16 | 8A-NF6-040-010 | | REFLECTOR,VOL |
| 17 | 8A-NF6-041-010 | | RING,VOL |
| 18 | 8A-NF6-029-010 | | KEY,GEQ |
| 19 | 88-905-281-110 | | FF-CABLE, 5P 1.25 280MM |
| 20 | 87-064-185-010 | | HLDR,WIRE |
| 21 | 8Z-NF6-210-010 | | DMPR,150 N |
| 22 | 87-NF4-217-110 | | HLDR,LOCK 2 |
| 23 | 86-NF9-224-010 | | SPR-C,LOCK |
| 24 | 82-NF5-229-010 | | PLATE,LOCK |
| 25 | 87-NF4-216-010 | | HLDR,LOCK 1 |
| 26 | 8A-NF6-012-010 | | PANEL,FR H<EXCEPT 80U> |
| 26 | 8A-NF6-011-010 | | PANEL,FR U<80U> |
| 27 | 81-532-080-010 | | LABEL, CASS. COMPT |
| 28 | 8A-NF6-059-010 | | WIND0W,DISP H Z80E<80HA> |
| 28 | 8A-NF6-016-010 | | WINDOW,DISPLAY H<80LH> |
| 28 | 8A-NF6-014-010 | | WINDOW,DISPLAY H Z83<83LH> |
| 28 | 8A-NF6-015-010 | | WINDOW,DISPLAY U<80U> |
| 29 | 88-906-621-110 | | FF-CABLE,6P 1.25 620MM |
| 30 | 88-913-521-110 | | FF-CABLE,13P 1.25 520MM |
| 31 | 8A-NF6-204-010 | | GUIDE,DECK |
| 32 | 8A-NF6-039-010 | | REFLECTOR,DECK |
| 33 | 88-915-111-110 | | FF-CABLE,15P 1.25 |
| 34 | 88-907-421-110 | | FF-CABLE,7P 1.25 420MM |
| 35 | 8A-NF6-022-010 | | KEY,ECHO |
| 36 | 8A-NF6-031-010 | | KEY,BBE U<EXCEPT 80U> |
| 36 | 8A-NF6-047-010 | | KEY,T-BASS U<80U> |
| 37 | 8A-NF6-034-010 | | KEY,SPICE<EXCEPT 80U> |
| 38 | 8A-NF6-038-010 | | REFLECTOR,FL |
| 39 | 8A-NFT-007-010 | | KEY,ASSY PRO |
| 40 | 8A-NF6-026-010 | | KEY,ASSY OPE |
| 41 | 8A-NF6-203-010 | | GUIDE,OPE |
| 42 | 8A-NF6-201-010 | | GUIDE,FL |
| 43 | 8A-NF6-023-010 | | KEY,ASSY FUN |
| 44 | 8A-NF6-045-010 | | KEY,ASSY POWER |
| 45 | 8A-NF6-042-010 | | REFLECTOR,ECO |
| 46 | 8A-NF6-004-010 | | CABI,STEEL |
| 47 | 8A-NF6-005-010 | | PANEL,TOP |
| 48 | 87-NF6-616-010 | | CONN ASSY,8P RPB |
| 49 | 87-NF6-615-010 | | CONN ASSY,3P PB |
| 50 | 8A-NF8-206-010 | | HLDR,PWB M |
| 51 | 8A-NF6-214-010 | | HLDR,HT-SINK R |
| 52 | 88-907-151-110 | | FF-CABLE, 7P 1.25 150MM |
| 53 | 8A-NF6-210-010 | | HLDR,IC6 |
| 54 | 8A-NF7-226-010 | | HLDR,IC2-T2 |
| 55 | 8A-NF6-213-010 | | HLDR,HT-SINK L |
| 56 | 87-NF4-221-010 | | HLDR,CABLE |
| 57 | 87-A91-711-010 | | FAN,3110GL-B4W-B34-H02<EXCEPT 80U> |
| 58 | 8A-NF6-219-010 | | HLDR,FAN<EXCEPT 80U> |
| 59 | 8A-NF6-052-010 | | PANEL,REAR LH<EXCEPT 80U> |
| 59 | 8A-NF6-051-010 | | PANEL,REAR U<80U> |
| 60 | 87-084-077-010 | | NYLON RIVET, 3.5-4.5 |
| 61 | 8A-NF6-082-010 | | COVER, REAR LHSM<80LH> |
| 61 | 8A-NF6-087-010 | | COVER, REAR LHSM Z83<83LH> |
| 61 | 8A-NF6-086-010 | | COVER, REAR SPEC LABEL<80HA> |
| 61 | 8A-NF6-110-010 | | COVER,REAR ST USM<80U> |
| 62 | 8A-NF6-217-010 | | HLDR,PWB PT<80LH,83LH> |
| 62 | 8A-NF6-228-010 | | HLDR,PWB PT 96-75<80U,80HA> |
| 63 | 8A-NF6-622-010 | | PT,LH EI96-60 ANF-6<EXCEPT 80U> |
| ⚠ 63 | 8A-NF6-621-010 | | PT,U EI96-60 ANF-6<80U> |
| ⚠ 64 | 87-A80-105-010 | | AC CORD ASSY,AZ<80HA> |
| 64 | 87-A80-092-010 | | AC CORD ASSY,E BLK SUN<80LH,83LH> |
| ⚠ 64 | 87-A80-110-010 | | AC CORD ASSY,U SPT-2W<80U> |
| 65 | 87-085-185-010 | | BUSHING, AC CORD (E)<EXCEPT 80U> |
| 65 | 87-085-189-010 | | BUSHING, CORD (U)<80U> |
| 66 | 8A-NF7-209-010 | | HLDR,PWB-M BTM |
| 67 | 84-ZG1-245-210 | | CAP,OPTICAL |
| 68 | 8A-NF6-008-010 | | PANEL,TRAY |
| 69 | 8A-NF6-003-010 | | CABI,BOTTOM |
| A | 87-067-758-010 | | BVT2+3-12 W/O SLOT |
| B | 87-067-703-010 | | TAPPING SCREW, BVT2+3-10 |
| C | 87-067-688-010 | | BVTT+3-6 |
| D | 87-591-095-410 | | TAPPING SCREW, QIT+3-8 (GLD) |
| E | 87-591-094-410 | | TAPPING SCREW, QIT+3-6 |
| F | 87-721-097-410 | | QT2+3-12 GLD |
| G | 87-067-579-010 | | TAPPING SCREW, BVT2+3-8 |
| H | 87-723-096-410 | | QT2+3-10W/O SLOT BL |
| I | 87-NF4-224-010 | | S-SCREW,IT3B+3-8 CU |
| J | 87-067-975-010 | | S-SCREW,IT+4-8 |
| K | 87-B10-091-010 | | UTT2+3-10 W/O BLK |
| L | 87-067-001-010 | | S-SCREW,BVWWST2+3-12W/O SL |
| M | 87-078-191-010 | | S-SCREW,IT+4-10 |
| N | 87-067-581-010 | | TAPPING SCREW, BVT2+3-15 |

# COLOR NAME TABLE

| Basic color symbol | Color | Basic color symbol | Color | Basic color symbol | Color |
|---|---|---|---|---|---|
| B | Black | C | Cream | D | Orange |
| G | Green | H | Gray | L | Blue |
| LT | Transparent Blue | N | Gold | P | Pink |
| R | Red | S | Silver | ST | Titan Silver |
| T | Brown | V | Violet | W | White |
| WT | Transparent White | Y | Yellow | YT | Transparent Yellow |
| LM | Metallic Blue | LL | Light Blue | GT | Transparent Green |
| LD | Dark Blue | DT | Transparent Orange | GM | Metallic Green |
| YM | Metallic Yellow | DM | Metallic Orange | | |

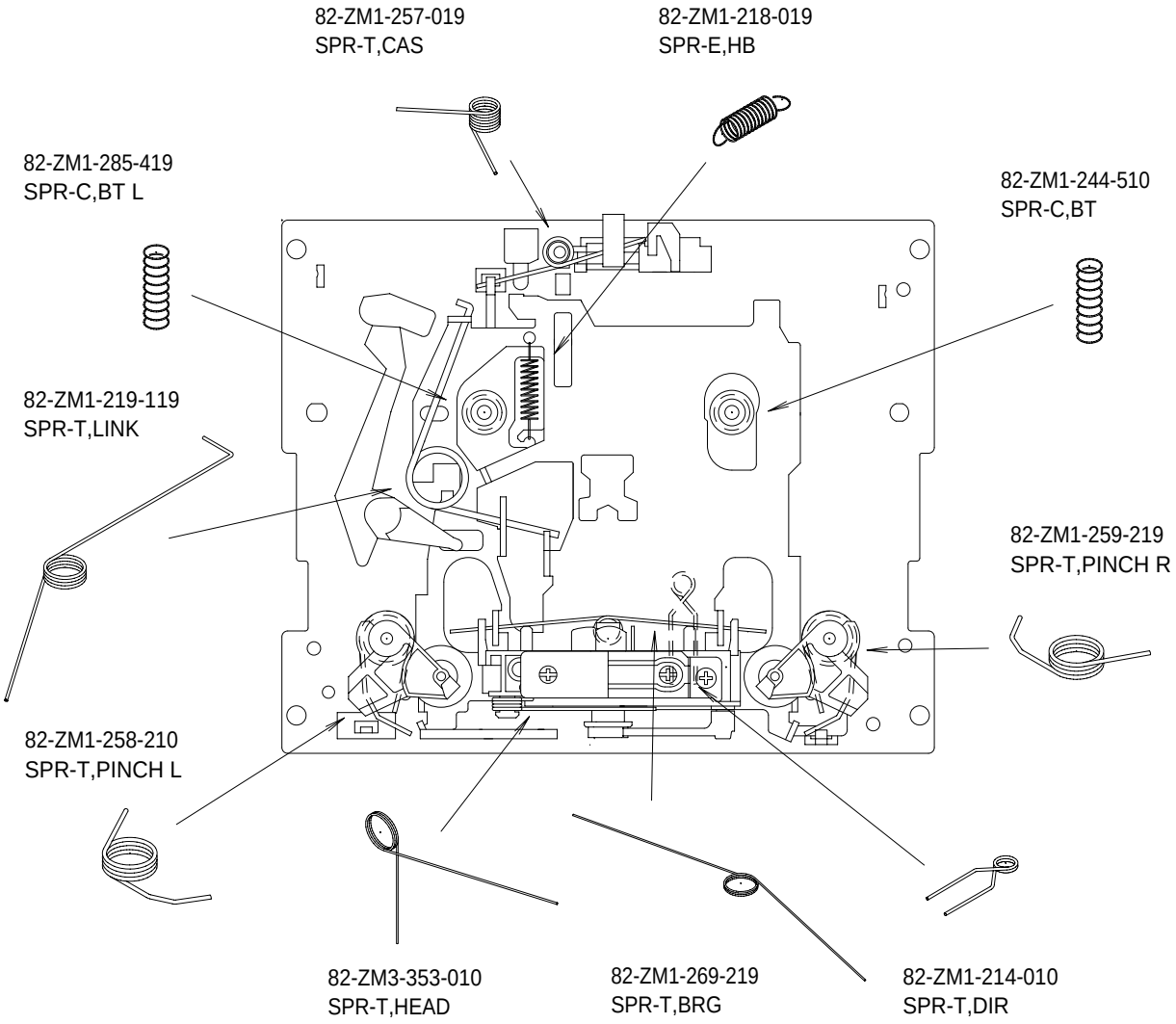
TAPE MECHANISM EXPLODED VIEW 1 / 1

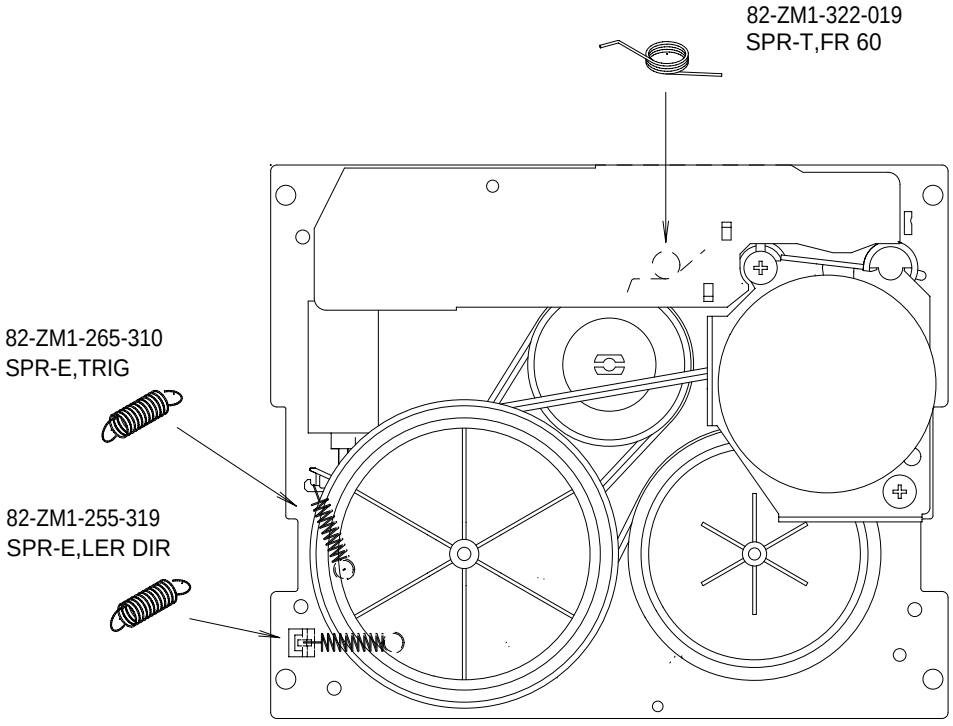


# TAPE MECHANISM PART LIST 1 / 1

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 82-ZM3-301-619 | | CHAS ASSY,M2 |
| 2 | 82-ZM1-258-219 | | SPR-T,PINCH L |
| 3 | 82-ZM1-341-219 | | LVR ASSY,PINCH L2 |
| 4 | 82-ZM1-333-110 | | PLATE,LINK 2 |
| 5 | 82-ZM1-266-310 | | LVR,DIR |
| 6 | 82-ZM1-214-919 | | SPR-T,DIR |
| 7 | 82-ZM1-206-81K | | CHAS,HEAD |
| 8 | 82-ZM3-307-019 | | CUSH-G,DIA3.7-8-3.2 |
| 9 | 82-ZM1-269-219 | | SPR-T,BRG |
| 10 | 82-ZM1-219-119 | | SPR-T,LINK |
| 11 | 82-ZM1-210-119 | | GEAR,H T |
| 12 | 82-ZM3-353-010 | | SPR-T,HEAD |
| 13 | 82-ZM1-207-919 | | GUIDE,TAPE |
| 14 | 86-ZM4-206-110 | | S-SCREW,AZIMUTH |
| 15 | 82-ZM1-314-119 | | PLATE,HEAD |
| 16 | 82-ZM1-208-319 | | HLDR,HEAD |
| 17 | 82-ZM1-218-019 | | SPR-E,HB |
| 18 | 82-ZM1-263-110 | | LVR,EJECT L (DECK 1) |
| 18 | 82-ZM1-264-010 | | LVR,EJECT R (DECK 2) |
| 19 | 82-ZM1-222-21K | | LVR,PLAY |
| 20 | 82-ZM1-217-419 | | REEL TABLE |
| 21 | 82-ZM1-244-510 | | SPR-C,BT |
| 22 | 82-ZM1-285-410 | | SPR-C,BT L |
| 23 | 82-ZM1-257-019 | | SPR-T,CAS |
| 24 | 82-ZM1-241-319 | | LVR,MC |
| 25 | 82-ZM1-242-019 | | LVR,CAS |
| 26 | 82-ZM1-243-019 | | LVR,STOP |
| 27 | 82-ZM1-344-219 | | LVR ASSY,PINCH R2 |
| 28 | 82-ZM1-259-219 | | SPR-T,PINCH R |
| 29 | 82-ZM1-240-119 | | LVR,REC (DECK 2) |
| 30 | 82-ZM3-340-010 | | SH,BELT D2 |
| 31 | 82-ZM1-255-319 | | SPR-E,LVR DIR |
| 32 | 82-ZM3-305-310 | | GEAR,CAM M2 |
| 33 | 82-ZM1-227-319 | | LVR,TRIG |
| 34 | 82-ZM3-306-11K | | LVR,FR M2 |
| 35 | 82-ZM1-265-310 | | SPR-E,TRIG |
| 36 | 82-ZM1-236-019 | | CAPSTAN N 2-41.5 |
| 37 | 82-ZM1-239-019 | | CAPSTAN N 2.2-41.7 |
| 38 | 82-ZM1-322-019 | | SPR-T,FR60 |
| 39 | 82-ZM1-220-219 | | GEAR,IDLER |
| 40 | 82-ZM3-616-019 | | RING MAGNET 4 |
| 41 | 82-ZM1-216-519 | | GEAR,REEL |
| 42 | 87-A91-196-010 | | HEAD,PH KP9142 |
| 42 | 87-A91-195-010 | | HEAD,RPH KC9142 |
| 43 | 82-ZM1-225-21K | | GEAR,FR |
| 44 | 82-ZM1-226-019 | | GEAR,REW |
| 45 | 82-ZM3-333-310 | | SLIP DISK ASSY 2 |
| 46 | 82-ZM1-338-110 | | BELT FR4 |
| 47 | 82-ZM1-349-110 | | FLY-WHL,R W(DECK 2) |
| 47 | 82-ZM3-338-310 | | FLY-WHL,R3 W(DECK 1) |
| 48 | 82-ZM1-348-110 | | FLY-WHL,L W(DECK 2) |
| 48 | 82-ZM1-348-110 | | FLY-WHL,L W(DECK 1) |
| 49 | 82-ZM3-329-410 | | BELT,SBU R2 |
| 50 | 82-ZM1-245-210 | | HLDR,IC |
| 51 | 87-045-347-019 | | MOT,SHU2L 70(M1) |
| 52 | 82-ZM3-221-210 | | PULLEY,MOT 2M |
| 53 | 82-ZM1-288-019 | | SH,1.63-3.2-0.5 SLT |
| 54 | 80-ZM6-243-019 | | SH,1.75-3.6-0.5 SLT |
| 55 | 82-ZM3-335-310 | | PULLEY,COUPLER M3(DECK 1) |
| 56 | 82-ZM3-342-010 | | BELT,SBU MOT 2 |
| 57 | 82-ZM3-339-110 | | SHAFT,COUPLER N3(DECK 1) |
| 58 | 86-ZM1-206-010 | | BELT,MAIN L |
| A | 85-ZM3-202-010 | | S-SCREW,TG |
| B | 80-ZM6-207-110 | | V+1.6-7 |
| C | 82-ZM3-318-110 | | S-SCRW MOTOR M2 |
| D | 87-B10-043-010 | | W-P,0.99-4-0.25 SLT |
| E | 82-ZM3-334-010 | | PW,2.16-6-0.4 |

SPRING APPLICATION POSITION

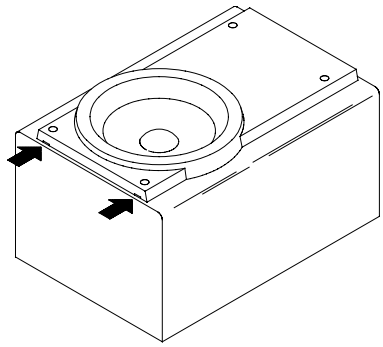


# SPEAKER DISASSEMBLY INSTRUCTIONS

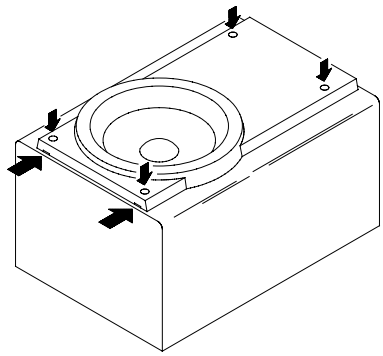
Type.1

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.



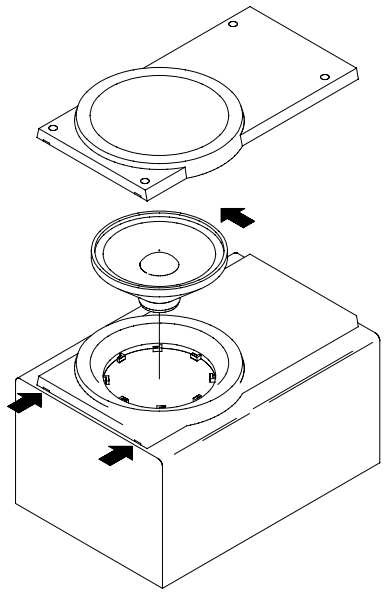
Type.2

Remove the grill frame and four pieces of rubber caps by pulling out with a flat-bladed screwdriver. Remove the screws from hole where installed rubber caps. Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Remove the screws of each speaker unit and then remove the speaker units.

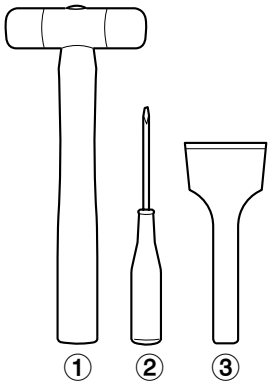


Type.3

Insert a flat-bladed screwdriver into the position indicated by the arrows and remove the panel. Turn the speaker unit to counter-clockwise direction while inserting a flat-bladed screwdriver into one of the hollows around speaker unit, and then remove the speaker unit. After replacing the speaker unit, install it turning to clockwise direction until "click" sound comes out.



Type.4




TOOLS

① Plastic head hammer
② (⊖) flat head screwdriver
③ Cut chisel

## How to Remove the PANEL, FR

1. Insert the (⊖) flat head screwdriver tip into the gap between the PANEL, FR and the PANEL, SPKR. Tap the head of the (⊖) flat head screwdriver with the plastic hammer head, and create the clearance as shown in Fig-1.

2. Insert the cut chisel in the clearance, and tap the head of the cut chisel with plastic hammer as shown in Fig-2, to remove the PANEL, FR.

3. Place the speaker horizontally. Tap head of the cut chisel with plastic hammer as shown in Fig-3, and remove the PANEL, FR completely.

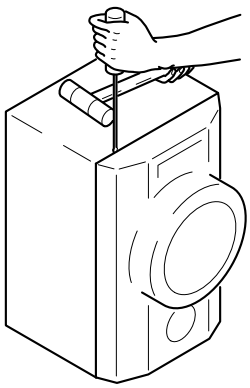


Fig-1

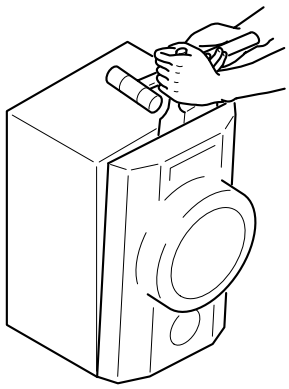


Fig-2

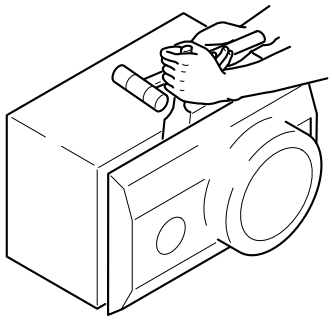


Fig-3

## How to Attach the PANEL, FR

Attach the PANEL, FR to the PANEL, SPKR. Tap the four corners of the PANEL, FR with the plastic hammer to fit the PANEL, FR into the PANEL, SPKR completely.

## SPEAKER PARTS LIST SX-WNSZ80 (YLSL,YLSC9)

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 8A-NS0-001-010 | | PANEL,FR |
| 2 | 8A-NS0-004-010 | | PANEL,DUCT |
| 3 | 8A-NS0-005-010 | | PANEL,TOP |
| 4 | 8A-NS0-006-010 | | PANEL,NAME |
| 5 | 8A-NS0-007-010 | | GRILLE,FRAME ASSY |
| 6 | 8A-NS0-010-010 | | PROTECTOR,TWA |
| 7 | 8A-NS0-011-010 | | HLDR,PIEZO |
| 8 | 8A-NS6-602-010 | | SPKR,W 200 |
| 9 | 8A-NS0-604-010 | | SPKR,M 120 |
| 10 | 88-NSK-610-010 | | SPKR,CERAMIC ASSY |
| 11 | 88-NS5-610-010 | | CORD,SPKR |
| 12 | 88-NS5-611-010 | | CORD,SPKR B/L |
| 13 | 8A-NS6-002-010 | | PANEL,FR(SX-S80) |
| 14 | 8A-NS6-004-010 | | GRILLE,FRAME ASSY(SX-S80) |
| 15 | 8A-NS6-610-010 | | CORD,3.5(SX-S80) |
| 16 | 8A-NS6-606-010 | | SPKR,80(SX-S80) |

## SPEAKER PARTS LIST SX-WNH83 (YLML)

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 8A-NSY-001-010 | | PANEL,FR R |
| 2 | 8A-NSY-002-010 | | PANEL,FR L |
| 3 | 8A-NSY-003-010 | | PANEL,BA R |
| 4 | 8A-NSY-004-010 | | PANEL,BA L |
| 5 | 8A-NSY-005-010 | | GRILLE,FRAME ASSY |
| 6 | 8Z-NS5-602-010 | | SPKR,W 200 |
| 7 | 8A-NS0-604-010 | | SPKR,M 120 |
| 8 | 88-NS5-610-010 | | CORD,SPKR |
| 9 | 88-NS5-611-010 | | CORD,SPKR B/L |
| 10 | 8A-NS6-002-010 | | PANEL,FR(SX-S80) |
| 11 | 8A-NS6-004-010 | | GRILLE,FRAME ASSY(SX-S80) |
| 12 | 8A-NS6-610-010 | | CORD,3.5(SX-S80) |
| 13 | 8A-NS6-606-010 | | SPKR,80(SX-S80) |
| 14 | 8A-NSY-010-010 | | CABI,M |
| 15 | 8A-NSY-011-010 | | RING,W |
| 16 | 8A-NSY-012-010 | | COVER,REAR |

## SPEAKER PARTS LIST SX-WNAJ85 (YUSL)

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 8A-NS2-001-010 | | PANEL,FR |
| 2 | 8A-NS2-002-010 | | PANEL,TW R |
| 3 | 8A-NS2-003-010 | | PANEL,TW L |
| 4 | 8A-NS2-004-010 | | PANEL,DUCT |
| 5 | 8A-NS2-013-010 | | PANEL,DUCT RING |
| 6 | 8A-NS2-008-010 | | PROTECTOR,TW |
| 7 | 8A-NS2-009-010 | | GRILLE,FRAME ASSY |
| 8 | 8A-NS6-604-010 | | SPKR,W 200 |
| 9 | 8A-NS0-604-010 | | SPKR,M 120 |
| 10 | 88-NSK-610-010 | | SPKR,CERAMIC ASSY |
| 11 | 88-NS5-610-010 | | CORD,SPKR |
| 12 | 88-NS5-611-010 | | CORD,SPKR B/L |
| 13 | 8A-NS6-002-010 | | PANEL,FR(SX-S80) |
| 14 | 8A-NS6-004-010 | | GRILLE,FRAME ASSY(SX-S80) |
| 15 | 8A-NS6-610-010 | | CORD,3.5(SX-S80) |
| 16 | 8A-NS6-606-010 | | SPKR,80(SX-S80) |

# ACCESSORIES / PACKAGE LIST

| REF. NO. | PART NO. | KANRI NO. | DESCRIPTION |
|---|---|---|---|
| 1 | 8A-NF6-902-010 | | IB,LH(ESP)M<80LH,80HA> |
| 1 | 8A-NF6-912-010 | | IB,LH(ESP)M 83<83LH> |
| 1 | 8A-NF6-903-010 | | IB,U(ESF)M<80U> |
| 2 | 8Z-NF8-701-210 | | RC UNIT,RC-ZAS01 |
| 3 | 87-006-225-010 | | AM LOOP ANT NC2 |
| 4 | 87-043-115-010 | | ANT,FEEDER FM |
| ⚠ 5 | 87-A91-017-010 | | PLUG,CONVERSION JT-0476<80LH,83LH> |

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